# modern PHOTOGRAPHY

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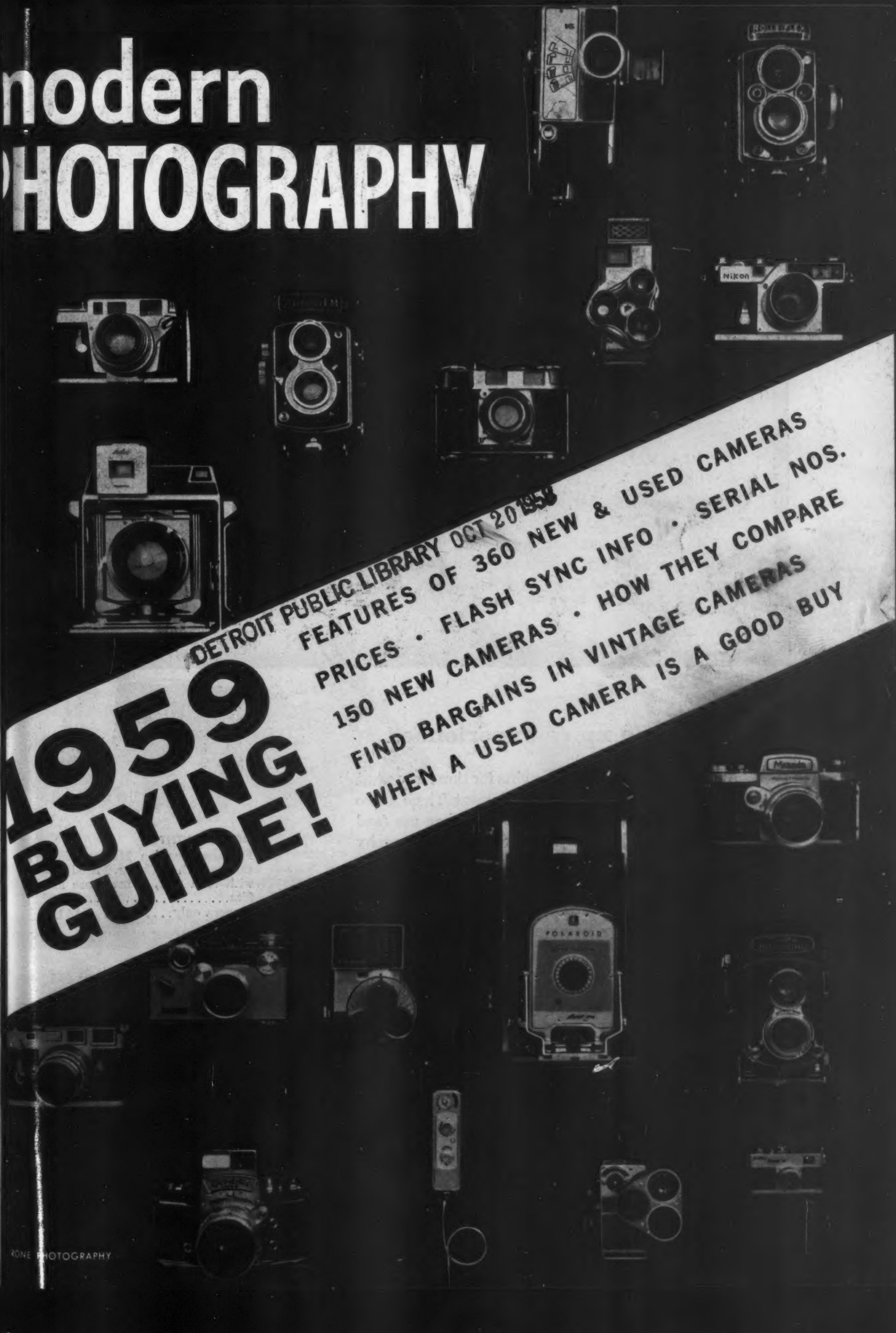
## 1959 BUYING GUIDE!

FEATURES OF 360 NEW & USED CAMERAS
PRICES · FLASH SYNC INFO · SERIAL NOS.
150 NEW CAMERAS · HOW THEY COMPARE
FIND BARGAINS IN VINTAGE CAMERAS
WHEN A USED CAMERA IS A GOOD BUY




RONE PHOTOGRAPHY

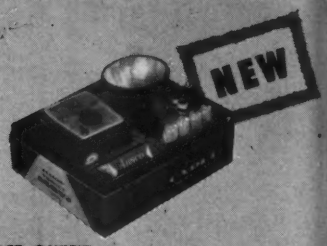
# Ansco CHRISTMAS WINDOW

**SUPER ANSCOCHROME**
The world's fastest (E.I. 100) color film. Stock up for those great Christmas morning shots—buy 3 rolls!

**ANSCOCHROME**
Exposure index 32 a finest color quality able. It's the stand all the pros yet perf beginners.

## for beginners
**(OF ANY AGE)**

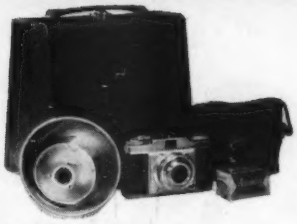
Here's Ansco's answer to a beginner's prayer for an easy-to-use, low-cost camera outfit. Ideal for all picture-taking conditions indoors or out, in black-and-white or color. Each camera outfit comes complete with flash unit and film; some with bulbs, camera case and batteries.




**CADET OUTFIT**
Newest and most exciting snapshot camera outfit available. 12 exposures on 127 film plus everything for great flash shots.....$10.75

## for the more experienced

Another selection of exciting gifts for those who want to move up to more versatile equipment. These Ansco gifts are ideal for that enthusiast who can use (and who can't?) added equipment to enjoy photography to its fullest. You just can't miss with an Ansco gift.



**MEMAR OUTFIT**
Features precision Memar 35mm camera with f/2.8 lens. Fitted case with flash unit, camera case and film.....$59.95
Camera only.....$41.50

## for the advanced photographer
**(OR YOURSELF)**

Ansco's finest equipment designed to give the ultimate in serviceability and precision. Anyone, no matter how advanced will want to own some of these great Ansco items. Give them to that "photographer who has everything" . . . they're sure to please! *Ansco, Binghamton, N. Y. A Division of General Aniline and Film Corp.*

**SUPER MEMAR f/2.8**
Ansco's finest. Precision f/2.8 lens, Prontor SVS fully synched shutter, rangefinder/viewfinder and Exposure Value System.
$74.50

**ANSCOMATIC TANK**
Loads itself and tak and 35mm film. D plastic, fast and easy

**ALL-WEATHER PAN**
Superb quality in a foolproof black-and-white film. Excellent for flash work and casual snapshooting.

**SUPER HYPAN**
World's most versatile black-and-white film. Film Speed 500 to 1000. Extreme fine grain. Superb quality.

**CHRISTMAS STOCKING**
Look for this wonderful gift item at your dealers. Full of film, viewer or what have you.

**CER OUTFIT**
ision efficiency that outdoes hing at twice the price. Com- e outfit with flash equipment f/8 lens.....$19.95

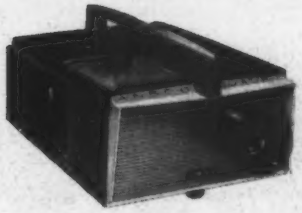
**READYFLASH OUTFIT**
Top selling flash camera complete with a flash unit and roll of All-Weather Pan film, all in gift box....$9.95

**ANSCOFLEX II OUTFIT**
Reflex design plus super simplified operation. Flash Outfit in fitted luggage-tan case $28.95.... With Anscoflex I Camera.....$23.95

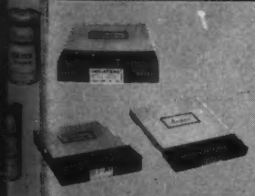
**COLOR CLIPPER OUTFIT**
Eye-level "candid type" camera outfit that youngsters love. Flash and other equipment all in fitted case..$25.00

**HAND VIEWER**
Folds compactly. Takes all size slides from 35mm to 2¼ square. A perfect inexpensive gift.....$2.95

**DEVELOPING OUTFIT NO. 2**
Everything needed for developing and printing pictures at home including Anscomatic Tank. Only .....$15.95
Without tank.....$10.95



**DUALET PROJECTOR**
Takes all popular slide sizes and is blower-cooled. It's the best looking and operating unit on the market
$39.95



**RS AND CHEMICALS**
t yourself (or your friends) to o Laboratory Tested film, pa- and chemicals for every dark- purpose.

**ANSCOCHROME PROCESSING KIT**
Develop Anscochrome or Super Anscochrome shots yourself and save time and money. Kits in various economical sizes from...$1.00

ADVANCED PHOTO PRODUCTS

# Ansco

FOR EVERYONE WHO TAKES PRIDE IN HIS PICTURES.

**NOW!** Even a beginner achieves professional results with his very first roll . . .

*The NEW*

# FUJICA

*35-ML*

***FULLY AUTOMATIC*** the new ***FUJICA 35-ML*** enables even a novice to photograph like a master. It's the easiest operating 35 available today — with every feature demanded by the most exacting professional. Fine photography becomes surprisingly simple. Flick! Focus! Click! — and that's all there is to it. Why don't you drop in to your dealer today. He will be glad to show you just why the ***FUJICA*** is clicking so fast in the 35 class.

***FREE!*** 20 fact-filled, illustrated pages. "***FUJICA 35-ML***.. your key to a wonderful new world of Fine Photography." Free at your dealer or write for your copy today.

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Perfect for available light shots

Delightful candids natural as life

Magnificently balanced compositions

***No other 35 offers so much for so little***

***NEW!*** Brilliant GOLD FRAME view-rangefinder shows you bright and clear the sharply focused sparkle of your finished print. Automatic parallax correction for perfect composing.

***NEW!*** Eye-level REAR FOCUS WHEEL shifts your view quickly from infinity to 2½ feet with just a flick of your thumb.

***NEW!*** Superb FUJINON f2.8, 45mm. lens has the speed and high resolving power needed for fine pictures even under low, available light levels. 5 element, fully coated, color corrected.

***NEW!*** The unique LVS selector ring pre-sets and shows you in a clear-view window, both the correct aperture and shutter . . . 10 speeds from 1 second to 1/500 second. "Freeze" the fastest action! Built-in self timer.

***NEW!*** One short stroke of the TRIPLE-ACTION-TRIGGER advances film, winds shutter and counts exposures! Shoot fast and be sure of your shot every time!

A superb "35" that will inspire the finest color and black and white photographs you have ever taken.

*only* **$69.95**

# BUY WITH CONFIDENCE

**BRAND NEW 8mm KEYSTONE K20 MOVIE CAMERA!**
- w/ f2.3 Lens
- Clip-On Light Meter
- Dial set wheel
- Interchangeable Lenses

Special 29.95

**ANOTHER H-F IMPORT! FLASHLIGHT POINTER**
IDEAL FOR LECTURING FROM MOVIES OR STILLS
- Works on Ordinary Batteries
- No Scratching of the Screen
- Bright image of Arrow from 2-12 feet

SPECIAL 14.95

**NEW — SENSATIONAL The Imported 35mm Famous make CAMERA!**
- f1.9 Lens
- Built in Photo Electric Exposure Meter
- Rapid Transport
- Dble. Exp. Prev.
- FREE CASE

List 99.50 OUR PRICE 64.95

**Exclusive at HABER & FINK!**
*The Only Available 2¼ x 2¼ Negative Album* ALSO FOR 35MM
- Capacity 240, Negatives (40 pgs.
- 8 x 10¼ Inches
- Hard Cover Binder

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With DeLuxe Pan Head ... Rack and Pinion Crank Handle
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RUSH YOUR ORDER

**BRAND NEW! famous 35mm 2x2 Slide Projector**
- 300 Watt — Blower Cooled
- f3.5 Coated Lens
- Rack & Pinion Focusing Knob
- Separate Lamp & Blower switch

SPECIAL 19.95
Airquipt changer 8.95 add'l.

**WARREN IMPORTED BINOCULARS**
Individual Focus

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| 6 x 30 | 13.40 | 7 x 50 | 19.40 |
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| Add 10% F.E.T. | | 20 x 50 | 29.40 |

For Central Focusing Add $1. plus F.E.T.

**Finest Quality SUPER WARREN**

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|---|---|---|---|
| 7 x 35 CF | 89.50 | 45.00 | Deluxe |
| 7 x 40 CF | 94.50 | 50.00 | Leather |
| 8 x 40 CF | 99.50 | 55.00 | Case |
| 7 x 50 CF | 109.50 | 60.00 | |

+ 10% F.E.T.

*Latest Model* **RETINA IIIC with FRAME FINDER!**
No Optical Viewfinder Needed
SPECIAL 113.95
Case ... 8.95
New Longar Lens ..... 58.50
New Cortar f4 ..... 54.50

**SPECIAL!**
12 Universal Trays. Fits TDC, B & H. Viewlux, AO Executive and Keystone Projectors. Carrying Case.
List 14.95 SPECIAL 6.94 Complete
24 Slide Trays and Case .... 10.95
Add'l trays 4 for ..... 1.70
$2.00 Add'l for Revere or Wollensak

**IMPORTED KODAK RETINA REFLEX**
- Full size ground glass screen
- Split image rangefinder
- Built-in exposure meter
- Xenon f2 coated lens
- Light value settings
- Rapid winding lever

BRAND NEW 138.50
Case 11.00 add'l.

**TERRIFIC BUY! ACT NOW!**
**AIREQUIPT MAGAZINES**
SPECIAL 3 for 4.29 1.49
Minimum Order 3
METAL CARRYING CASE with 12 Mag. 19.95

**BRAND NEW KODAK CAVALCADE!**
Fully Automatic w/remote control cord ...
- Turbo cooled
- Pop free
- 500 Watt
- WITH CASE

List $149.50
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**ULTRABLITZ ROCKET WL**
*Latest Model*
- Deluxe Flash Head with Variable Reflector
- Guide Numbers 75-85

List 125.00
BRAND NEW ONLY 62.50

**BRAND NEW! 8mm BAIA CINE ACTION EDITOR!**
- With Splicer & Rewinds
- Portable Carrying Case

List 51.90 SPECIAL 29.95
Available in 16mm (Same Price)

**WARREN COMBINATION CAMERA GRIP CABLE RELEASE!**
A practical holding device for Cine and Still Cameras that gives safety and steady jerk-proof release. Adjustable to any operation. Complete with wrist strap and cable release.
LIST 5.95. Special 4.50

**SUNRAY 2¼ x 3¼ ARISTOCRAT ENLARGER**
SAVE 33%
DESIGNED FOR THE AMATEUR
35mm to 2¼ x 3¼. Sharp Lens in Focusing Mount. Complete with Tuck-away Carrying Case
Reg. 14.95 SPECIAL 9.95

**THE UNSURPASSED ULTRABLITZ JET!**
- Wide Angle Reflector
- Lifetime Flashtube
- Weight: Under 4 lbs.
- 4 D Cell and AC Unit
- ½ Power—Full Power Switch
- Kodachrome Guide 45

Original List 59.50
37.50 Discontinued Model BRAND NEW

**"WARREN" 4-LITE LIGHT BAR**
COMPLETE WITH 4 GE BULBS!
- Folding — Compact
- All Metal
- Pistol Grip
- UL Approved

Reg. 23.95 FREE! Metal Carrying Case
SPECIAL 11.95

**COMPACT 60mm PRISMATIC SPOTTING SCOPE!**
- 5 eye pieces (15x-20x-30x-40x-60x)
- Tripod
- Rack & Pinion Focusing

Comparable List 79.50
SPECIAL 49.50

**BRAND NEW ALPEX IMPORTED PHOTO ELECTRIC EXPOSURE METER!**
- Simple — Fool-proof — Ready -
Complete with leather case & chain
List 8.95 SPECIAL 5.95
Booster 2.95 add'l

GE golden crown METER incl. case. 22.50

**8MM 200' Comic Subjects**
Reg. 5.95 Special 3.19
(3 for 8.95)

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WRITE for ... our Special Holiday Low, Low, prices on famous Brand Name Merchandise!

**IT'S REVOLUTIONARY! THE NEW "DO-IT-YOURSELF" ROX-COMBI GENUINE LEATHER GADGET BAG**
You design and make the compartments to suit your requirements! Whether you own a miniature camera with a variety of accessories, or a twin lens reflex. Additional inserts—1.00 per set

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| ROX B | 7½x3¼x7 | 17.40 |
| ROX 1, w/pocket | 7½x3¼x7 | 20.25 |
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# Exciting

*...to give or to get*

**ROLLEICORD VA**
Most versatile camera of all. Gives all 5 popular sizes . . . 2¼ x 2¼, 2⅛ x 1⅝, super-slide size, Bantam size and 35mm. With f:3.5 Xenar lens, synchro Compur shutter, only $99.50.
Case extra

**AUTOMATIC ROLLEIFLEX**
World's camera leader . . . most reliable, most practical camera made. Fully automatic, with synchro Compur shutter. With Xenotar f:2.8 lens only $259.95. With Xenotar f:3.5, only $199.95.
Cases extra. Also available with built-in meters.

**AUTO ROLLEIFLEX 4 x 4 cm**
Lightest, most compact Rollei. Uses #127 film for big inexpensive super slide transparencies. Automatic operation, Xenar f:3.5 lens, Synchro Compur shutter, only $133.65
Case extra

# Rollei
## Cameras and Accessories

**ROLLEIGUARD**

Dust and moisture proof all-metal eveready carrying case. Floats with camera inside. Complete camera protection. $29.95

**ROLLEI BASIC LENS KIT**

Leather case contains Rollei lens hood and selection of two Rollei precision filters. For all models, from $14.85 to $24.95.

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Permits taking partial, or full 360° dramatic panoramic pictures. Has accurate click stops for sectional views. $13.95.

**ROLLEIFLEX TRIPOD HEAD**

Permits instant clamp-on fastening of Rollei to tripod or flash bracket. A real time and fumble saver. $5.95

**ROLLEI "DECAMIRED" KIT**

Permits using any color film with any light source. Six filters, in 3 graduations of red, 3 of blue. For all models from $39.95 to $49.95.

**ROLLEINAR CLOSE-UP LENSES**

Lens sets for close up work with Rollei, close as 9". Parallax corrected. In sets for all models, from $14.95 to $20.95.

**Rollei products are sold by all leading dealers**

**Burleigh Brooks, Inc.** 10 W. 46th St., New York 36, N. Y.

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# SUPER GRAPHIC*

## *LEADS THEM ALL!*

Some pictures are rather ordinary, but others are exciting. These exciting pictures are the ones that give you the most satisfaction when they're finally printed. However, they usually are the most difficult to take. Here, then, is the reason professional and industrial photographers use a Super Graphic. Split-second film changing with the accessory Grafmatic* film magazine, large negatives for sharp, fine-grain prints and the Super Graphic reputation for rugged dependability lets you concentrate on the action! A Super Graphic with your choice of various lens and shutter combinations sells from $375. Ask your Graflex dealer for a demonstration of the Super Graphic and *all* of its accessories; his store is listed in the "yellow pages," or write for a complete price list and folder: Dept. MP—128, Graflex, Inc., Rochester 3, N. Y. A subsidiary of General Precision Equipment Corporation.

*Trade Mark. *Prices include federal tax and are subject to change without notice.*

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GENERAL PRECISION EQUIPMENT CORPORATION

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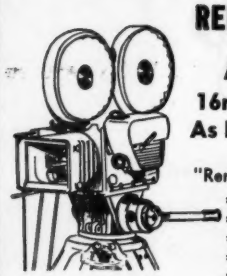

### RENT A COMPLETE NEW AURICON

**16mm Sound Movie Outfit**
**As Little as $41.65 a Month**

What D.F.A.'s exclusive "Rent-A-Camera" Plan does for you:

* Frees your working capital
* Simplifies your bookkeeping
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* Eliminates chattel mortgage
* Requires no down payment

Outfits listed below include all necessary sound recording equipment, genuine Raptar lenses and Pro-type tripod — **ALL BRAND NEW!**

| | Monthly Rental |
|---|---|
| Auricon "Cine Voice II" turret outfit with 3 lenses | $41.65 |
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| Auricon "Pro-600" turret outfit with 3 lenses | 148.93 |
| Auricon "Super-1200" turret outfit with 3 lenses | 231.53 |

Other Auricon Outfits are available to fit your specifications. Projection equipment may be rented with the camera.

Write to DOWLING'S now for details!

## LOW COST
## NO FUSS
## NO BOTHER
## NO GLASS TO CLEAN

New, exclusive KIMAC sealed square-edge protectors provide "skin-tight" fit . . . prevent snagging . . . reduce popping. Here is low cost slide protection ideal for manual and automatic projectors as well as standard viewers.

These lightweight, unbreakable plastic KODAPAK sleeves fit Kodak, Ansco and all other standard cardboard mounts without trimming!

| Size | Box of 100 | 500 | 1000 |
|---|---|---|---|
| 2 x 2 | $2.75 | $12.95 | $25.00 |
| 2¾ x 2¾ | 4.00 | 17.95 | 32.00 |
| Stereo | 3.75 | 16.45 | 30.00 |

**DOWLING'S ships your order postage paid—anywhere!** Write for free sample (mention size).

## ENJOY THE LATEST EQUIPMENT FOR A FEW CENTS A DAY ON D.F.A. EASY PAYMENTS!

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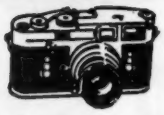

### SAVE $60.00 on New LEICA M3

with f/1.5 lens

Greatest LEICA made, now at fabulous savings. With new Elmar f/2.8 lens $330., or **$30. Down;** with Dual Range Summicron f/2.0 only $438., or **$38. Down;** with Summarit f/1.5 $414., or **$34. Down.**

**All-new** LEICA M2 with wide angle viewfinder and Elmar f/2.8 lens $267., or **$26. Down;** with Summicron f/2.0 lens $345., or **$34. Down.**

You save at D.F.A. on new LEICA IIIg, too; with Elmar f/2.8 now only $223.50, or **$23.50 Down.** Write for new, low prices on LEICA lenses, too—all brand new!

### UHLER CINE PRINTER

**for 8 and 16mm film only $17.20 a month!**

Make your own copies in minutes, save time and money! New model holds 400 feet silent or sound film, prints 20 feet a minute. Complete exposure control with 10 settings, picture and sound together or separate. Easy to use, pays for itself. Only $195 Cash or

**$15 Down and then as little as $17.20 a month!**

**Other professional models available for 8, 16 and 35mm.** Write to DOWLING'S for details.

### $50.00 Trade-In or more, for any enlarger, when you buy a new BESELER "45"*

Yes, DOWLING'S automatically allows you at least $50.00 for your old enlarger regardless of condition toward one of nine superb, new BESELER "45" models. And you'll never trade again because BESELER features are as new as tomorrow:

* One set of condensers for all film sizes from 8mm to 4" x 5"
* Electric positioning controls
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* Built-in filter drawer
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* One standard type lensboard for all lenses

**Pay as little as $17.14 monthly at DOWLING'S!**

| | Full Price | Trade-In | Monthly |
|---|---|---|---|
| BESELER 45M | $236.75 | $50.00 | $17.14 |
| BESELER 45MCR | 269.75 | 50.00 | 20.16 |
| BESELER 45AF Autofocus | 495.00 | 50.00 | 28.42 |

For a Lifetime of Perfect Enlargements—
Trade for a BESELER at D.F.A.!

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The new DOWLING'S Store
121 O'Farrell Street
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welcomes you with a complete line-up of fine cameras and accessories.

*Write — Phone — Visit Now!*

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Please ship the following immediately:_____

Enclosed is $_____
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I agree to pay $_____ monthly for _____ months until merchandise is paid for.

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☐ Give me tentative allowance by mail.
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*Your trade-in may be used as down payment! It will be returned at D.F.A.'s expense if you don't accept our top offer.*

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☐ Send FREE 1958 Catalog.
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**Be sure to read all**

# Dowling's FIFTH AVENUE

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## After 3 years of world-wide research . . .

## CANON VI

with the most important design innovations in the 35mm field.

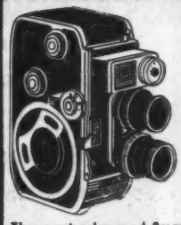
- Exclusive stainless steel shutter
- Exclusive tri-position life size range-viewfinder
- Automatic parallax compensation for built-in and auxiliary finders
- Trigger film advance plus winding knob
- Exposure meter (optional) coupled to shutter speeds
- Extra large rapid rewind crank

and many other pace-setting advancements plus award-winning styling. You'll be proud of your new CANON VI—it's the camera for the man who thinks ahead!

**As low as $12.13 at DOWLING'S**

| | Full Price | Down | Monthly |
|---|---|---|---|
| CANON VI with f/2.8 lens | $279.00 | $27.00 | $17.37 |
| CANON VI with f/1.8 lens | 319.50 | 29.50 | 18.52 |
| CANON VI with f/1.2 lens | 419.50 | 39.50 | 24.27 |
| CANON VI without lens | 209.50 | 19.50 | 12.13 |
| CANON Exposure Meter | 29.95 | | |

**BONUS:** CANON Coupled Exposure Meter (reg. $29.95) only $10.00 if purchased with camera at DOWLING'S!



## NEW BOLEX B-8L

The most advanced 8mm Electric Eye camera today. Thanks to BOLEX precision, the B-8L Compumatic is also the most compact, handles with natural ease. With Lytar f/1.8 $169.50, or **$16.50 Down and $11.47 monthly;** with Yvar f/1.9 $179.50, or **$17.50 Down and $12.90 monthly.**

Other new BOLEX cameras at **lowest prices ever:** B-8 with Lytar f/2.5 $99.50, or **$9.50 Down;** B-8VS with Yvar f/2.5 $124.50, or **$12.50 Down;** H-16 REFLEX with Lytar f/1.9 now only $360.00, or **$36.00 Down and $18.00 monthly.**

## New POLAROID 800 Outfit

**Only 9.65 a month**

Newest "Big-Picture-In-A-Minute" camera, complete with flash unit and bounce flash bracket $135.00, or **$13.60 Down and $9.65 monthly.** Deluxe Model 110A $169.50, or **$16.50 Down and $10.39 monthly.**

**FREE BONUS:** Exposure meter sent at no extra charge with every Polaroid Camera purchased from this ad!

NEW AUTOMATIC

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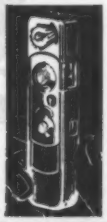

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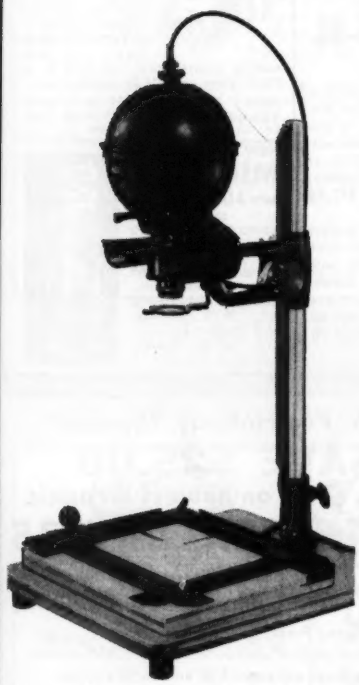

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# modern PHOTOGRAPHY

DECEMBER 1958, VOL. 22, NO. 12

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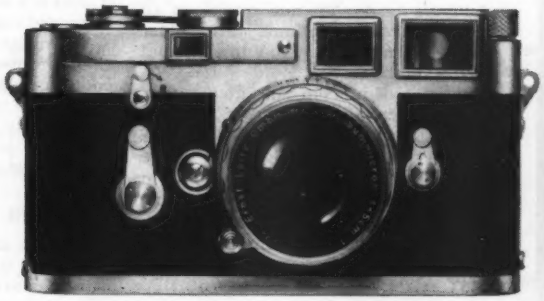

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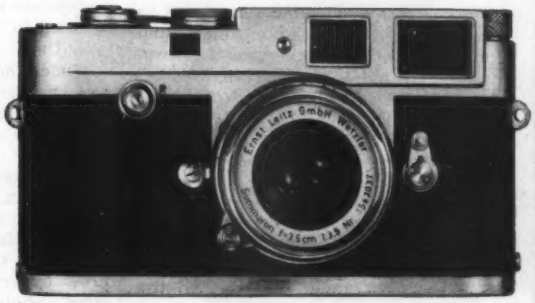


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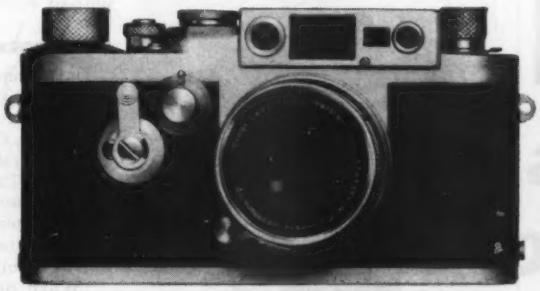

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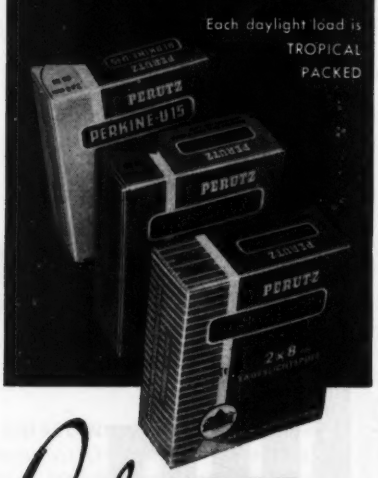


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# Coffee Break

## WITH THE EDITORS

**THIS MONTH'S COVER • • •**

The potpourri of cameras on this our Christmas cover is just a sampling of what's inside: 150 new models of all types and descriptions, 210 older models identified in the big annual Used Camera Buying Guide—and even a selection of fine old vintage cameras for the discriminating buyer.

Our 18 cover cameras were dispatched to Dirone Photography, where they were recorded on Ektachrome in an 8 x 10 Deardorff with 14-in. Ektar lens. Electronic flash provided the illumination for daylight film.

**FIRST WITH THE MOST • • •**

A photographer friend, Dennis Carey, had a surprise for us recently. With elaborate casualness he placed on our desk a small black box which could only be a camera—and was. But what sort of strange half-breed was this?

"A Sept," said Carey.

Meant nothing to us—but "French camera?" we murmured, cued by the word "Paris" engraved over the lens mount.

"It's a combination movie camera and projector," added our friend. "Very old."

"Pooh," we poohed, knowing very well that Wittnauer had created the very first one only last year.

"True," he assured us. "Over thirty years old. Push the shutter release," he invited.

We did. Resulting racket was somewhere between coffee grinder and pneumatic drill. Carey warned us not to be deceived—that the Sept really *was* an efficient machine. It takes 20 ft. of 35mm film, works at 16 fps and has a motor run of some seven to eight seconds, he said. A lamp housing slips on the back for projection. Not only that, one could focus through the lens, using a film frame as a substitute for a ground glass, could shoot still pictures, slides, and even mount a film magazine on the old chameleon.

We commented that it was a shame it couldn't also take stereopticons, but supposed you couldn't have everything.

We made arrangements to try out this antique wonder, but before we could grasp the golden opportunity, Carey was invited into the U. S. Army. Reluctantly, we resign ourselves to a two-year postponement of our own, private "MODERN Tests the Sept."

**FRENCH IN 6000 EASY PHOTOS • • •**

It's not an original idea that photography speaks a language—but it can be considered rather unique when it teaches one. Berlitz School of Languages and Pathescope have combined to produce a series of pictures that will be used to teach French in schools all over the U. S.

Under the direction of Rick Carrier, and headed by photographer Mike Tabb, a Pathescope crew is in France right now shooting a film strip that will cover just about every situation that a visitor might encounter—including an automobile accident and even skin diving under the Mediterranean. Using 35mm cameras and lenses up to 800mm, the Pathescope crew expects to shoot at least 6000 color photographs. The text and records accompanying the film strip will, of course, be keyed to the action.

**"PHOTOGRAM FUN" • • •**

Darkroom widows, take heart! There *is* a way to penetrate the black curtain, according to Mrs. Barbara Kosinski of Daly City, Calif., who writes:

"Mike (short for Microdol) is my husband. That is, we are legally married but actually separated. He's an amateur photographer and has spent so much time in the darkroom that I don't remember what he looks like.

"When our child told me one day, 'Mommie, there's a strange man asking for you,' I decided that that was the time to break through the black curtain of the inner sanctum of Mike's sanctum sanctorum and introduce my daughter to her long hidden father. Of course, the fact that he always talks in his sleep about "Bubbles," her composition and development, baths, etc., convinced me that there must be a secret back door to the darkroom and I had to see what Bubbles had that I, his wife, didn't have.

"Entering the hermit's hide-out, finally, I realized that all my suspicions were groundless except one. Seeing an allegedly intelligent man cutting out

*(Continued on page 14)*

# It's a Contaflex

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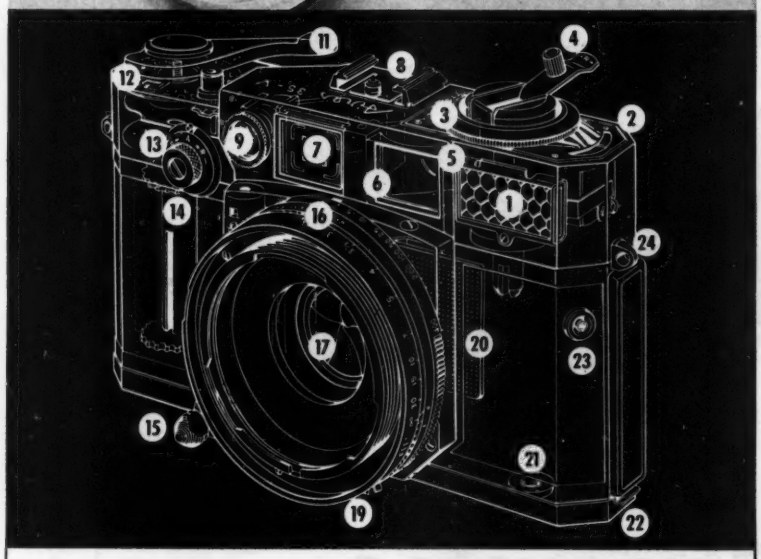

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**1.** Built-in light meter. **2.** Easy-to-read light indicator. **3.** All meter scales visible from above. **4.** Rewind lever. **5.** Single-window range and viewfinder in rear. **6.** Viewfinder. **7.** Bright-framing lines in "projection" window. **8.** Accessory shoe. **9.** Rangefinder window. **10.** Shutter release. **11.** Single-action lever simultaneously advances film, counts exposures, cocks shutter. **12.** Exposure counter. **13.** Dial for rewind and intentional double exposure. **14.** Take-up spool. **15.** Focusing knob. **16.** All settings and scales visible from above. **17.** Behind-the-lens shutter; speeds to 1/400 sec. **18.** Bayonet mount for interchangeable lenses. **19.** MX setting. **20.** Oversize pressure plate. **21.** Tripod socket. **22.** Release for hinged back. **23.** Flash cord socket. **24.** Ring for neck strap. **25.** 7-element f:1.5 normal lens.

Answers: **1. 7. 18. 25.**

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## COFFEE BREAK

*(Continued from page 12)*

paper strips and, with a gleam in his bloodshot eyes, placing the strips on photographic paper, convinced me that he was ready for the padded cell, and that the rumor about his family tree was correct.

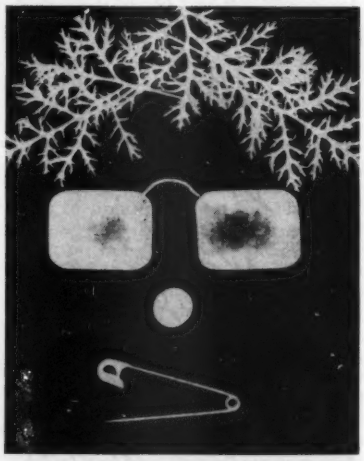
**"Fido joins the family album—eyes of almonds, paper label nose, the rest of him made of twine."**

"I also realized my mistake in firing the maid on suspicion of petty thievery, for on the darkroom table lay all the missing miscellanea.

"It was only to become reacquainted socially (?) with my husband that I began spending a great deal of time in the darkroom. As whosis said, 'If Mohammed won't come to the mountain etc.'

"As you see, I, too, am now a photogram fanatic and just as wacky as my husband.

"Our daughter no longer refers to my hypo-happy husband as 'a strange man' because today she proudly told our neighbor, 'I'm an orphan now.'"



**"Benny wears sun glasses of plastic ice cube containers, has a marble nose and unruly hair of pine twigs."**

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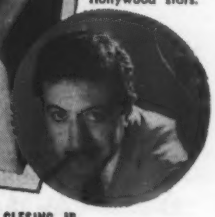

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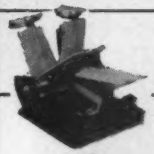
### Mr. BOLEX recommends:

The New BOLEX B8L compumatic 8mm movie camera ..... Perfect exposures electrically computed through the lens. For all camera speeds, variable shutter settings, all lenses and film speeds from ASA 10 to 80. Bolex B8L Compumatic with Lytar F:1.8 lens only $169.50. Trade your present movie camera.



The Bolex splicer can be used for both 8mm and 16mm film, is equipped with self-sharpening blades, costs only $14.95.

The Bolex H8T and H16T, two new 3-lens turret cameras with Pre-view Zoom Finder, speeds from 8 to 64 fps, rewind for trick effects, continuous run lock, automatic film threading, time exposure, single frame control, eye-cup for through the lens focusing.
8mm or 16mm Bolex T with Lytar F:1.8 lens only $250.00.

The New Bolex anamorphic wide screen lenses for 8mm and 16mm cameras allow you to film in the exciting new 2:1 picture dimension! No special screen necessary! Same anamorphic lens is used on camera and projector.
Bolex Anamorphot Kit for 16mm only $189.00.
Bolex Anamorphot Kit for 8mm from $94.00.
Bracket for M-8 projector only $12.50.

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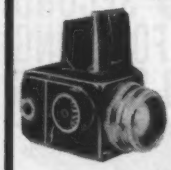
The 5.5mm Switar F:1.8 and 5.5mm Pizar F:2 wide angle lenses can be used on all 8mm movie cameras with standard 'D' mount. They have an area more than 2X wider than the standard lens.
5.5mm Switar F:1.8 focusing mount only $119.50.
5.5mm Pizar F:2 fixed focus only $79.50.

### Mr. HASSEL recommends:



The new Hasselblad 500C with Zeiss Planar F:2.8 lens and compur rapid synchro shutter with EVS scale. Automatic diaphragm, automatic depth of field scale. Quick release for sequence shooting, interchangeable magazine for 12 or 16 exposures on 120 film. Hasselblad 500C, Planar F:2.8 lens and magazine $489.50. Trade your present camera.

The Hasselblad Proxar lenses make close-up photography simple. The Proxar 1m is used at distances down to 23". The Proxar 0.5m down to 17¾" without increase in exposure. Each Proxar lens only $11.50.

The Hasselblad Decamired filter set allows you to match the color of the light exactly to that of the film. The six filters of the set can be used in different combinations to obtain properly color corrected pictures. Set of Decamired Filters $72.60.

The Extension Tube of the Hasselblad 500C has a connecting shaft to transmit the release and film transport mechanism from the camera to the lens, maintaining the complete automatic operation of the camera. Extension tube can be used with all interchangeable lenses. Price of Extension tube $36.00.

The magnifying hood slips on top of the Hasselblad in place of the regular hood and is adjustable for individual eyesight. It allows 2½ power critical focusing and fits all models. Magnifying hood costs only $37.50.

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PRIMOS II, same as I PLUS Autofocused Culminar 60mm f/4.5 — $399.50

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# LETTERS TO THE EDITOR

### Star Gazing

Sirs:

Here is the result of a unique "experiment" with Royal-X Pan film. The picture was taken at night on the New Mexico desert with a 4 x 5 Speed Graphic. The exposure was for thirty minutes at f/16; illumination was by

moonlight sometime between 12:00 midnight and 2:00 A.M. The streaks in the sky are the paths of stars while the shutter was open.

State College, N. Mex. R. P. Meleski

### Shooting For The Moon

Sirs:

Liked your article on "Are You Using the Right Color Film?" in the July issue. However, I didn't notice anywhere in the article what exposure was used in taking the Kodachrome of the moon opposite page 66 and would certainly appreciate being advised by you if you have that information available.

Rochelle Park, N. J. Robert C. Dansen

• *Photographer Hermann Eisenbeiss of Munich used a Leica M3 with Vis-O-Flex reflex housing and 600mm Achromat lens. Exposure was f/5.5 and 1/5 sec. on Kodachrome.—Ed.*

Sirs:

Why not an issue on astrophotography? With the coming of the Sputniks, satellites, high-power rocketry, the Space Age is—if not just around the corner—at least coming down the street. Interest in things astronomical is mounting daily. More and more camera enthusiasts (like myself) are beginning to scan the evening skies wistfully—wondering whether it may be possible to take shots of the moon, planets and who knows? even the manned space stations when they get 'em up.

Why not blaze a new trail with an entire issue on how to shoot the oncoming Era of Space Travel? You'll have an issue which will set the photographic world on its ear!

Shoot the moon, man! Shoot the moon!

Long Island City, N. Y.
James C. Iraldi

### Equipment Anyone?

Sirs:

We are a State Mental Institute, and like most of them we are short of funds for things other than the bare necessities encountered in patient care. Even with this handicap we are busy establishing a Vocational Rehabilitation Center for the convalescent patient. One project which we believe would have much therapeutic value is photography. The securing of material seems to be possible from one source or another, but the securing of workable equipment seems something else again.

Do you have any pieces of photographic equipment which are outmoded or discarded, yet usable? Or could you let your readers know our need? Any photographic equipment which we could use would be greatly appreciated.

Ted Flaten
Recreation and
Vocational Rehabilitation
Mental Health Institute
Independence, Iowa

### Home Wreckers

Sirs:

You may not know it, but you are a home wrecker.

Since you've accepted my wife's story on "Photogram Fun" (see "Coffee Break," *page 12*), there is no living with her.

What was once a happily married life for 20 years, is now a house divided and sub-divided.

Having sold several articles to newspaper Sunday supplements and a few to minor magazines, I was, until now, not only lord and master of my home, but also somewhat of a genius, in a small way.

Now—a pure and simple neophyte of the last order accidentally has an item accepted by a topflight slick magazine, and I am not only called a schmo, but she won't even look at any of my pictures.

*(Continued on page 22)*

## Partial List of ALPA Dealers

### ALASKA
Mac's Foto Service, 315 4th Ave., Anchorage
Co-op Photo Shop, 535 Second Ave., Fairbanks

### ARIZONA
Bill Cook's Camera, 38 Pima Plaza, Scottsdale
Nu-Art Photo Service, 17 E. Pennington, Tucson

### CALIFORNIA
Towne Photo Supply, 1609 19th St., Bakersfield
Darnall, 17642 S. Clark Ave., Bellflower
Elmwood Camera, 2999 College Ave., Berkeley
Camera Supply, 1112 Pine, Long Beach
Henry's Camera, 701 West 8th, Los Angeles
Sid Kleins, Inc., 7916 Beverly Blvd., Los Angeles
The Family Camera, 1732 Miramonte, Mountain View
Alvins Photographic, 914 East California, Pasadena
Burkhart Photo, 304 North Main Street, Porterville
Bunnell Photo Shop, 1033 6th St., San Diego
Brooks Cameras, 45 Kearny, San Francisco
Jehe's Photo Shop, 4661 Mission St., San Francisco
San Jose Camera Shop, 245 S. First, San Jose
Anderson's Photo, 1124 State Street, Santa Barbara
Del Garver Photo, 3228 E. St., San Bernardina

### COLORADO
Colorado Visual Aids, 1624 Broadway, Denver
Barber Studio, 1010 8th Ave., Greeley

### CONNECTICUT
Justin Hartley, 13 Main St., Colchester
Camera Bar, 44 Asylum St., Hartford
Morris J. Roznsky, Inc., 177 State St., Hartford

### DELAWARE
Lincoln Camera, Union St. and Dela., Wilmington

### DISTRICT OF COLUMBIA
Fuller & D'Albert, 815 Tenth St., N.W.

### GEORGIA
Frye's Camera Store, 220 Luckie St., N.W., Atlanta

### IDAHO
Tollenaar Photo, 710 Main, Lewiston
The Ross Hall Studio, Sandpoint

### ILLINOIS
Watlands, 13039 So. Western Ave., Blue Island
Central Camera Co., 230 S. Wabash Ave., Chicago
The General Camera Co., 6422 No. Western Ave., Chicago
4020 No. Cicero Ave., Chicago
Merchandise Mart, Chicago
Wolk Camera Co., 133 N. Wabash Ave., Chicago

### INDIANA
Schilling's, 329 S. Lafayette Blvd., South Bend
Sunny Schick, 407 W. Washington, Fort Wayne

### IOWA
Morris Sanford, 215 3rd Ave., Cedar Rapids
Cinarco Camera, 217 Brady, Davenport
Beaverdale Photo, 2641 Beaver Ave., Des Moines
Hutchinson Camera, 90 E. 4th St., Waterloo

### MASSACHUSETTS
Ralph Harris Co., 16 Bromfield St., Boston
Hawes Photo Shop, 36 Province, Boston
Ferranti-Dege, Inc., 1252 Mass. Ave., Cambridge
Chicopee Camera Center, 44 Center St., Chicopee

### MICHIGAN
Follett's, 322 S. State, Ann Arbor
Detroit Camera Shop, 325 State St., Detroit
Guild Camera, 13915 Harper, Detroit
Flint Camera, 144 E. 42nd St., Flint
Marks Photo Shop, 3822 S. Division, Grand Rapids
Studio Camera Shop, 20229 Mack, Grosse Pointe Woods
Van's Photo Service, 524 E. Michigan, Lansing
Eppert Camera Shop, 57 W. Huron, Pontiac
Dunn's, Inc., 116 W. 4th St., Royal Oak
Saginaw Photo Supply, 515 E. Genesee Ave., Saginaw
Feldman Camera, 300 Oak St., Wyandotte

### MINNESOTA
Century Camera Shops, 26 So. 7th St., Minneapolis

### MISSOURI
Bernard's 4724 Broadway, Kansas City
Hillmann's Camera, 9120 Lackland, Overland
Stanley Photo, 106 N. Broadway, St. Louis
St. Louis Photo, 3400 Lindell, St. Louis

### NEBRASKA
Calandra Camera Stores, Council Bluffs and Omaha

### NEW JERSEY
Moyer's Photo Shop, 130 E. Hanover, Trenton

### NEW MEXICO
Hanna & Hanna, 218 Central Ave., S.W., Albuquerque

### NEW YORK
Camera Land, 611 Lexington Ave., New York
Abe Cohen, 142 Fulton St., New York
Dowling's, 175 5th Ave., New York
Jaydee Camera Exch., 20 E. 53, New York
United Camera, 1149 6th Ave., New York
Wall St. Camera Exchange, 80 Wall St., New York
Willoughby's, 110 W. 32nd St., New York

### OHIO
Sid's Camera Exchange, 451 E. Exchange St., Akron
Black's, 232 Wooster Rd., N. Barberton
Camera Craft, 13123 Shaker Square, Cleveland
Dodd Co., 1025 Huron Rd., Cleveland
Hemmings, 15807 Lorain, Cleveland
Prentke-Price Inc., 10107 Euclid, Cleveland
Stropky, 128 Fair N.W., New Philadelphia
Otto G. Graeff Inc., 3483 Lee, Shaker Heights
Toledo Camera Shop, 225 Huron, Toledo

### OREGON
Coburn Film Shop, 698 Willlamette, Eugene
Dot Dotson's, 107-111 E. 11th, Eugene
Leo's Camera Shop, 836 Main, Klamath Falls

### PENNSYLVANIA
Sterling's, 449 Northampton St., Easton
Cosgrove Camera, 27 W. Broad St., Hazelton
Fotomart, 8 So. 6th St., Philadelphia
Klein & Goodman, 132 S. 11th St., Philadelphia
Rosenfeld Photo, 1304 Walnut St., Philadelphia
Alton E. Bowers Photo, 416 N. 5th St., Reading

### RHODE ISLAND
United Cam., 69 Dorrance/607 Westminster, Providence

### TEXAS
Oshman's, 601 Fannin, Houston

### VIRGINIA
Campbell's Camera Center, 25th & Atlantic, Virginia Beach

### WASHINGTON
Bremerton Photo Supply, 285 Fourth St., Bremerton
Tall's Camera, 1415 Third Ave., Seattle
Harold Meyer Drugs, 1108 So. Kay St., Tacoma
Anderson's Camera Shop, 110 No. 2nd St., Yakima

### WISCONSIN
Camera Center, 3950 N. Oakland, Milwaukee
Photoart, 840 N. Plankinton Ave., Milwaukee

ALPA 8 with Kern Switar 50mm f/1.8 Automatic APOCHROMAT — Exclusive 3-color correction.

# YOU WIN EVERY TIME with ALPA

## and its CUSTOM-GROUND LENSES

In photography as in poker, you're always ahead with all the aces up your sleeve.

With ALPA's "Full-House" of top quality lenses ranging from 28mm wide-angle up to 3750mm super-telephoto (75x magnification!) and the traditional Swiss "CHRONOMETER" precision of the ALPA 35mm SINGLE-LENS REFLEX camera, you'll always be playing a winning combination... FOR ANY TYPE OF PHOTOGRAPHY.

Only ALPA provides you with lenses of the highest possible degree of optical correction. And only ALPA cameras can provide you with so brilliant and exacting a ground glass image in full "Lifesize", for accurate framing, focusing and depth-of-field control — with any lens, at any distance, for any magnification, with no parallax ever... *the "nearest thing to the living eye!"*

| LENS | MM | F/ | PRICE | LENS | MM | F/ | PRICE |
|---|---|---|---|---|---|---|---|
| *Retrofocus | 28 | 3.5 | $139.00 | *Makro-Kilar | 90 | 2.8 | $249.95 |
| Makro-Kilar E | 40 | 2.8 | $119.50 | *Kinoptik | 100 | 2 | $299.00 |
| Makro-Kilar E | 40 | 3.5 | $ 89.95 | *Algular | 135 | 3.2 | $139.00 |
| *Makro-Kilar E | 40 | 2.8 | $119.50 | **Tele-Xenar | 135 | 3.5 | $159.00 |
| *Makro-Kilar D | 40 | 2.8 | $139.50 | *Alefar | 180 | 4.5 | $159.00 |
| Xenar | 75 | 3.5 | $119.00 | *Tele-Xenar | 360 | 5.5 | $209.00 |
| *Altelar | 90 | 2.8 | $139.00 | Reflectars | 500 | to | 3750mm on request |

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ALPA 4 (Straight Refl.) ..... from $199
ALPA 5 (Prism Refl.) ..... from $279
ALPA 6 (Prism Refl. w/built-in rangefinder) ..... from $319
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ALPA 8 (Prism Refl. w/built-in & separate rangefinder) ..... from $349

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- **ALPA APOCHROMATS:** Kern Switar 50mm f/1.8 and Kinoptik 100mm f/2 APOCHROMATS render exclusive correction of all primary colors, critical sharpness and highest contrast, even at full aperture.
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Write for illustrated brochure M4-12.

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**EXAMINE THIS PICTURE OF BURL IVES.** It's an enlargement from an actual 60-second photograph. It was taken with a new Polaroid Land film, just introduced, which is twice as sharp as the previous film. With this latest advance, the Polaroid Land Camera not only gives you pictures in 60 seconds, but pictures of astonishing quality. Polaroid Land Cameras are priced from $72.75. The new film can be identified by a yellow star on the box.

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...plus automatic depth-of-field control, while filming

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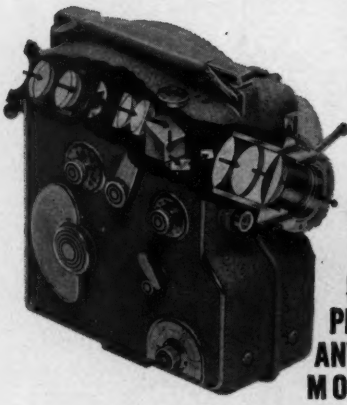
# THE ONLY DIFFERENCES ARE: SIZE, WEIGHT, PRICE.



IN THIS UNIQUE 8mm CAMERA THAT BALANCES THE PERFORMANCE OF ANY 16mm OR 35mm MOTION PICTURE CAMERA

## CAMEX reflex WORLD'S ONLY 8mm SINGLE-LENS REFLEX MOVIE CAMERA

**CAMEX REFLEX 8**
w/Cinor 12.5mm f/2.5 fixed focus..$199.00
w/Cinor 12.5mm f/1.9.....$249.00
w/Angenieux 12.5mm f/1.9.....$249.00
w/Cinor 20mm f/1.5.....$278.00
w/Varifocal Pan-Cinor 17.5-70mm f/2.4 .....$479.00
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**COATED CAMEX LENSES**
Hyper-Cinor 6.25mm f/1.9.....$ 49.00
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Tele-Cinor 35mm f/3.5.....$ 49.00
Tele-Cinor 50mm f/3.5.....$ 59.00
Tele-Cinor 75mm f/3.5.....$ 89.00
Tele-Cinor 100mm f/3.5.....$ 89.00
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Hyper-Gonar Wide-screen attachment .....$129.00
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In the CAMEX REFLEX 8 you'll find a *precision* camera designed for the discriminating 8mm cinematographer, who wants all those most coveted features, found until now only in high priced 16 or 35mm motion picture equipment.

And here's the only 8mm movie camera that offers you a *brilliant* and *parallax-free* REFLEX image for *absolutely accurate framing, critical focusing* and *automatic depth-of-field control* while filming... *without* the awkward bulk, weight and great expense of the big gauge cameras.

karl heitz Inc.

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## LETTERS TO THE EDITOR

*(Continued from page 18)*

You realize, of course, that you may be named as a corespondent in any future complication which this may lead to.

However, since good cooks are difficult to obtain now-a-days, I shall do everything in my power to restore equilibrium to our unbalanced lives, and try to regain my throne by submitting a number of articles to you, in the hope that the scales of justice may once again be balanced.

Daly City, Calif. Michael Kosinski

### The Un-hip Square

Sirs:

I have a beef I would like to dispose of. Will you share it with me?

My beef is the square 6 x 6cm format in both reflex and single-lens cameras. Did you ever go to an art gallery or a photographic show and see a square painting or a square photographic print, unless it was to advertise a camera? Or a square magazine, a square newspaper or a square picture in either unless it was cropped to satisfy space?

When man was first introduced to the earth he was given eyes to view distant scenes as horizontal oblongs and close-ups as vertical oblongs. When you look at a distance you move your head from side to side, a man or woman up or down, a horse or cow again from side to side.

If our Creator had wished us and our animals to be seen as square, He would have designed us as such. Nearly everything is an oblong, even trees and flowers, and to be appreciated should be viewed as such.

Ferndale, Mich. Charles L. Murray

### Foreign Correspondence

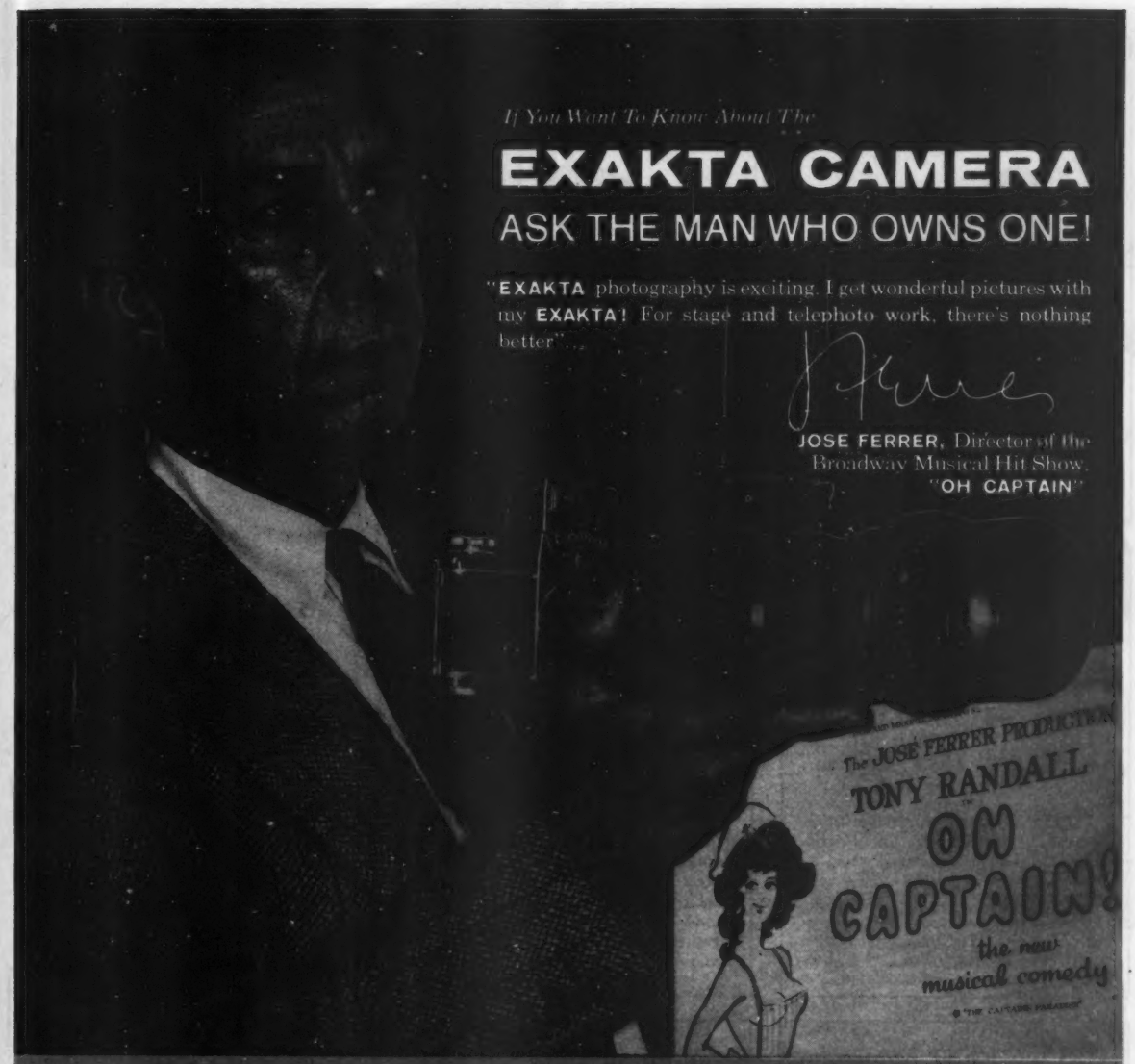
Want to exchange magazines, materials, ideas with photographers in other countries? The following have written MODERN that they are interested in corresponding with photographers in the United States:

W. A. Godfrey-Springer
Queen's Royal College
Maraval Road
Port-of-Spain, Trinidad
B.W.I.

Raymond Baloche (age 19)
Rue Etienne Jodelle
Arcueil (Seine)
France

Thurow Horst
Grosse Seestrasse 112
Berlin-Weibensee
East Germany

Sandner Wilhelm
Lilienweg 5
Bublingshausend
Germany

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"**EXAKTA** photography is exciting. I get wonderful pictures with my **EXAKTA!** For stage and telephoto work, there's nothing better"...

**JOSE FERRER**, Director of the Broadway Musical Hit Show, "**OH CAPTAIN**"

**More and more people appreciate the many ingenious and desirable features offered only in the Exakta Light-Meter IIa camera... 26 different shutter speed settings from 1/1000 to 12 seconds, plus bulb and time, built-in MXF flash synchronization, built-in photo electric cell exposure meter, interchangeable viewfinders, penta prism eye-level viewfinder, waist-level reflex viewfinder, split-image rangefinder, rapid lever film advance and shutter cocking, built-in film cutting knife, and more.**

**See the new exciting Exakta Light-Meter IIa camera with built-in Exposure Meter and Penta Prism eye-level Viewfinder, Split-Image Rangefinder and 58-mm., F/2.0 Carl Zeiss Jena Biotar lens with Automatic Diaphragm! At your dealer now. Write for free colorful brochure.**

**Ask for a FREE "sample copy" of the EXAKTA MAGAZINE**

**ATTENTION! Tourists Going Abroad:**
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**EXAKTA CAMERA COMPANY** 705 Bronx River Road, Bronxville, New York

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$6.95

KALIMAR P-A-L can be worn on your wrist or carried around your neck. It is the only low-priced exposure meter with *direct* reading scales for Polaroid, ASA and LVS in one handy unit. Price includes case and straps.

### Laziest light readings

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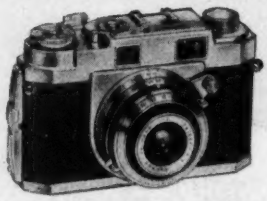
KALIMAR DE LUXE holds readings automatically; no figuring, no remembering. You simply aim, push the button and read results directly in a choice of "F" stops, EVS or movie settings. Leather case, $2.00.

### The price is right



KALIMAR "A" features fine f:3.5 lens, 1/200 sec. shutter and bright viewfinder. Costs little more than a "box" camera, only $24.95. Case, $5.95. KALIMAR "B-3" (shown above) handles almost any picture situation with its f:2.8 lens and 1/300 sec. shutter. $44.50. Case, $7.95.

### Double your pleasure

Sets, from $35

KALIGAR AUXILIARY LENSES are moderately priced, yet allow wonderful telephoto or wide-angle effects with your 35mm, reflex, or Polaroid. Set includes wide-angle and tele-lenses, viewfinder, filter ring, leather case. Sharp results always guaranteed.

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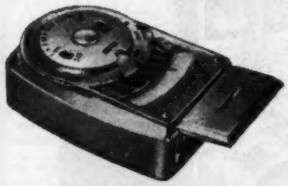

KALIMAR A-1 measures reflected or incident light and has scales for bright or dull light conditions. Easy-to-read ASA, EVS, Polaroid and movie exposure numbers. Case and chain, $2.00.

### "Available light" meter

$11.95

KALIMAR B-1 meter has all the features of the A-1 *plus* a 64X Amplifier Booster for accurate readings under poorest light. With case, neck chain. KALIMAR CLIP-ON meter fits camera accessory shoe or can be hand-held. $7.95. Case $1.00.

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# the CAMERA CLUBS

**by MABEL SCACHERI**

**From the bulletin board: some thoughts on Christmas tabletops, clean-up campaigns and field trips.**

It doesn't seem possible that any shutterbug, or camera club, would leave the matter of photographic Christmas cards until late November or December. Oh, you say that's when you always get around to it. Then this should be a good moment to tell you about a contrivance made by a woman member of the Convair Camera Club in Pomona, California.

This is a device for shooting tabletops, really, but a good many amateurs use tabletop shots for their Christmas cards, especially when they put off shooting until the eleventh hour. It is a reconstituted card table, so to speak, which Olive Benzel, the resourceful woman member, adapted to photography by cutting out part of the wooden top and replacing it with a sizable piece of plate glass.

At the back corners she erected dowel rods, three-fourths inch in diameter, to hold up any kind of desired background. In front she placed two upright pieces of two by four lumber, grooved to hold up sheets of glass, in case she wanted to make some of those trick effects with mottled or wavy glass. Or plain glass sprayed in spots to produce a suggestion of snow.

Such a table might be put together by several club members and kept as a club asset, if you have permanent quarters to store it. It need not take up much space, for the card table legs fold back, and the dowels and two-by-fours could be removable.

### Getting the job done

In describing this glorified card table, I am assuming that your club has a number of energetic members, handy with hammer and saw. The ones who, after several weeks of grumbling about the club darkroom, get together and clean it up themselves.

Such a clean-up job was intelligently handled by the Camera Guild of Cleve-

*(Continued on page 26)*

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| 4x4 Rolleiflex Xenotar F:3.5, synch | 79.50 |
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- 135mm Xenar F:4.7
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Precision Rangefinder Camera
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**SUPER CANTER 35** with **F1.9** ultraspeed lens
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With used Nikkor F:1.4 lens Rfdr., one stroke Rapid Wind MX synch. high speed Rewind
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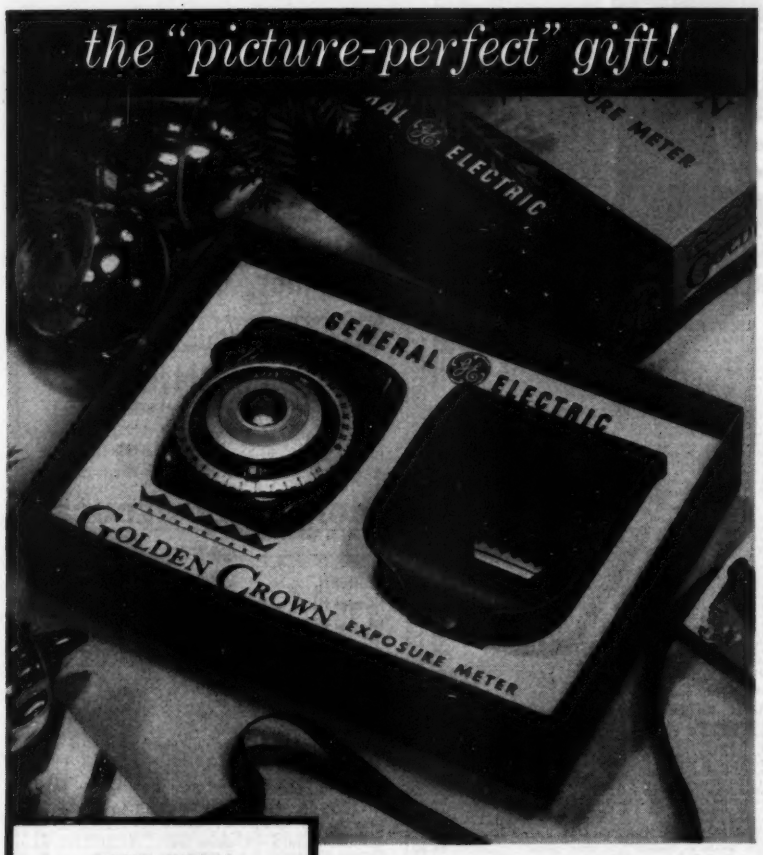


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For those who demand "picture-perfect" results, with *any* camera, there's no finer camera accessory than G-E's Golden Crown Exposure Meter!

The Golden Crown is a super-sensitive, direct reading light meter, with special white-dot markings for accurate low light-level readings. Its *push-button pointer-lock*, handy at any time, is particularly useful with the growing trend toward "available light" photography. Once exposure index and shutter-speed are set, the photographer simply aims the Golden Crown and presses the button. The exact reading (*f*/stop or EV number) *stays* until the button is pushed again. No squinting or misreading . . . nothing to remember . . . no calculations to make! *Lifetime* warranty, too!

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## THE CAMERA CLUBS

*(Continued from page 24)*

land, O., so I read in their bulletin. They made a sort of party of the job. All hands showed up, one member washed windows, others polished furniture, scrubbed floors, scoured the club refrigerator, cleaned trays and tanks, straightened shelves, put supplies in order. Then one of the women served refreshments. It sounds a lot better than constant nagging about keeping the darkroom clean, or asking for volunteers.

Any such mass effort has the added advantage of letting the members get better acquainted, and that is also one of the major benefits of a field trip. At this time of year a field trip means a snow-shooting trip in many parts of the country, and how often it happens that, on field trip day, the pesky snow melts, or rain falls. One club plans an alternative of shooting tabletops at the club when a field trip is impossible. See how handy that table would be?

### Speaking of field trips

The most astonishing field trip I ever heard of was described in the bulletin of the Pasadena Stereo Club, Pasadena, Calif. It seems that this past spring some unexpected rain fell in Death Valley, waking up flower seeds dormant 25 years. The club tripped out to the valley and made color shots of this extraordinary sight. *And* they also visited the ghost town of Rhyolite, a town that once had a population of 18,000, but lasted only six years. The club made 3-D pictures of what is left of those concrete buildings, the schoolhouse for 1,000 children, the empty streets. What a subject! Seems to me we camera fans in the East are downright underprivileged.

Speaking for myself, I've often passed up field trips because I just plain hate getting anywhere at 9:00 a.m. on Sunday, and so do lots of other night owls. One of the clubs had a wise idea. The early birds met at the bright and early hour, and then there was a second rendezvous at noon, so that the late sleepers could join the group. Other clubs start the trip right after lunch, utilize the late afternoon light, pause for supper and then continue with night shots. That would suit a lot of us who don't think much of forenoons at all.

Then there is the Twin City Camera Club, St. Joseph, Mich. They had a club picnic, and asked members with the initial of their surname in the A through H part of the alphabet to provide salads, I through P desserts, Q through Z hot dishes. I wonder how it worked. What if all the best pie and cake makers happened to be in the A through H section?—THE END

# The gift that makes a gift a minute!

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And now, with the new Polaroid Print Copier, you can make a copy for each person in the picture—in 60 seconds, too. Polaroid Land Cameras are priced from $72.75. The Print Copier costs only $29.95.

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# New Photo Books

**LINHOF PRACTICE, published by Verlag Grossbild-Technik, Munich, Germany, distributed in U.S.A. by Kling Photo Corp., 257 Fourth Ave., New York 10, N. Y. 216 pages, loaded with illustrations, including color. $7.95**

*Linhof Practice* is an English translation (but not a very readable one) of the German book *Linhof Praxis*. It is an astonishing volume.

Nominally it is supposed to be "an introduction to Linhof cameras, their accessories, and photographic technique," but it is far more than merely the most elegant camera maker's catalogue and publicity piece ever published. It is a post graduate course in the use of the large camera—not only the press/semi-view Linhofs in sizes from 2¼ x 3¼ to 5 x 7, but also the 5 x 7 and 8 x 10 Kardan Color view cameras. While the illustrations are of those particular products, most of the techniques shown are suitable for use with other makes of cameras and form an invaluable source of information for photographers who want to use view camera tilts, swings and twists to solve knotty problems. Of course, some view camera practitioners may dispute some of the recommendations in *Linhof Practice*, which are cast in the mold of Germanic photo technique. But by and large there is little to argue about.

The functional photographs and sketches are outstanding in conception and execution, bearing witness to the almost incredible amount of work that went into the preparation of this volume.

Much of the material has been lifted from the beautiful quarterly *Grossbild-Technik* (literally, large picture technique) sponsored by Linhof Precision Camera Works, Munich, and edited by Joachim Giebelhausen, whose name does not appear in *Linhof Practice*.

Physically, *Linhof Practice* is im-

*(Continued on page 29)*

**IN NEXT MONTH'S MODERN**

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*Exclusive-the world's first sealed-in transistorized nickel-cadmium unit!*

The all-new Transistor-Powered **Meteor**, most powerful, versatile unit of its size in the world! Weighs a mere **3 pounds**, measures only 7¼" x 5" x 2"! Sealed-in Transistorized Nickel-Cadmium batteries **never need replacement!** Built-in charger operates off normal 110 volt house current! Get over 100 shots per charge, or operate on AC current. Full and half power switch; automatic power cut-off; variable beam reflector; side-light and photo cell available. Only $99.50 at better dealers. **More Value For You With Meteor!**

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From Ultrablitz!"


## NEW PHOTO BOOKS

*(Continued from page 28)*

pressive. Page size is 9 x 11 inches, the paper quality is high, the black-and-white and color printing are excellent. It is a beautiful piece of production and belongs in the library of all large camera users.

Unfortunately, the choice of display pictures did not seem to match the excellence of the rest of the book. Some appear static and dull. But that's an editor's choice, and a minor matter in the overall evaluation of the book.

—J. W.

**CAMERA LENSES, by Arthur Lockett. Revised by H. W. Lee. 146 pages, illustrated. Pitman Publishing Corp., London, Toronto, New York. $3.25**

This amazingly concise little book, first published 33 years ago, has been almost completely rewritten to keep pace with recent developments in optical design. Simple and direct in approach, it nevertheless presents a thorough coverage of the technical nature and behavior of camera lenses. The formulas are there, but even the reader who chooses to ignore them will find the text a helpful and instructive guide to better understanding of his camera "eye."

In addition, there are chapters devoted to the care and testing of lenses, and to such pertinent accessories as viewfinders, rangefinders and filters.

Charts and diagrams are simple and well placed, and a convenient index adds to the value of *Camera Lenses* as a source of reference.

Of minor consequence are a few discrepancies between American and British terminology.

For both amateur and professional photographers: Highly recommended.

—M. T.

**SECRETS OF SUCCESSFUL FREE LANCING, by Donald Feitel. 128 pages, many illustrations. Greenberg, New York $1.95**

Nothing to it. All you need is an eye for a gimmick (example: lion in a bubble bath), a talent for larceny (" . . . get paid by both ends for the same job"), the soul of a con man ("Promise them anything except money and worry about excuses later"), a fine disregard for personal popularity ("Be nasty, if necessary"), and a flexible set of morals (on getting free cheesecake models: " . . . tell her she might like a set of intimate pictures of herself to comfort her in her declining years").

Illustrations are in keeping with the calibre of the text.—M. T.

**These and other books are available through MODERN PHOTOGRAPHY Book Store; see advertisement on page 41.**

### IN NEXT MONTH'S MODERN

**How to shoot better 35mm color portraits indoors.**

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# Ways and Means

**by ARTHUR ROTHSTEIN**

Technical Director of Photography, *Look* Magazine

**Professional exposure meter for electronic flash; printing papers are getting brighter; new light on image formation.**

Exposures by electronic flash have always been a problem for the studio photographer who uses this type of lighting extensively. Usually guide numbers for various films with a given light source are established by personal experience. But the problem of using several lamps for a certain emulsion or determining an exposure for light bounced off wall or ceiling are still difficult to solve accurately.

But now an instrument is available which eliminates the guesswork in electronic flash exposure. It's called the Thomas Strobemeter, and although not the accessory to be hauled around to a basketball game, it is nevertheless a useful studio installation. It was designed by Fred Thomas, a photographer who was an engineer and has done research in radar and electronics.

His unit employs a phototube which picks up the total amount of light and integrates the duration of the flash and its intensity. This is stored as voltage on a capacitor. A high impedance vacuum tube voltmeter reads the charge on the capacitor. A range of film speeds is obtained by varying the size of the capacitor and varying the sensitivity of the voltmeter.

In use, the meter is plugged into 110 volts AC and connected to the triggering cord of the electronic flash. Film speed within a range of 5 to 400 is adjusted on a dial. After a 20-sec. warmup, the meter stabilizes itself, and the voltmeter is set at zero. It is used in the manner of an incident light meter with the phototube disc pointed at the light source from the subject's position. A button is pressed, the flash goes off, and the voltmeter reads the correct aperture directly on one of three scales ranging from f/1.5 to f/45.

The Strobemeter, priced at $250, is available from the Thomas Instrument Co., 1118 First Ave., New York City.

### Brighter printing papers

In the effort to improve brilliance and contrast, there has been a tendency, in recent years, to introduce printing papers with whiter whites. This is accomplished by introducing certain fluorescent whitening agents called blancophors into the emulsion of the paper. These agents have been used to improve the appearance of textiles and papers by absorbing ultraviolet radiation and emitting a fluorescence which neutralizes any yellow shade present and increases luminance. Originating with Kodak Ltd. in England, the technique spread to Agfa, Ilford and Gevaert, and is now used in the manufacture of Ansco Jet paper in this country.

An interesting US Patent, #2,815,-284, recently has been granted for the addition of such optical bleaching agents to a developer solution in order to produce brighter whites in prints.

### Latent image formation

The films and papers we use are coated with a light-sensitive emulsion which actually consists of silver halide crystals (silver bromide, chloride, iodide, or a mixture) dispersed in gelatin. Light reduces these crystals to metallic silver, which is black. If photography had to depend on light alone to reduce the silver compounds, it could never have achieved its present importance. The discovery of the theory of the latent image made contemporary photography possible: the fact that a very brief exposure to light registers as a latent, invisible image which is then revealed by a mild reducing solution or developer.

At a recent international meeting in Montreal, on nuclear particle photography, Jack F. Hamilton of Eastman Kodak Research Laboratories discussed the formation of a silver image by light on the photographic emulsion. Hamilton used an electron microscope to study the motion of tiny charged particles within a single photographic grain.

His experiments prove that the latent image is formed by a few electrons which are freed by the exposure to light. These trigger the reaction which converts the entire grain to silver in the process of development.

Further, since these relatively few electrons catalyze the change of an entire grain of silver, at a ratio of about a billion to one, the photographic process is the most sensitive amplifier known to science.—THE END

## CORRECTION DEPT.

In the roll film/developer charts published in the November issue, the daylight exposure index of Perutz Perpantic 18 film was incorrectly given as 40. The correct exposure index is Daylight 50.

Mere words or flowery phrases *can't* do justice to the Canon VI, new leader among the great 35's. A feature-by-feature comparison immediately proves Canon superiority! Here are a few reasons the VI is "first":

| Features | Canon VI w/meter & 50mm f1.8 lens $329.50 | German Camera "A" w/meter & 50mm f2.0 lens $384.00 | Japanese Camera "B" w/meter & 50mm f2.0 lens $399.95 |
|---|---|---|---|
| 1. View-finder | Brightest! 3 position, 1:1, parallax corrected 50 & 100mm frames, full 35mm field | Poor brightness, not 1:1, less than full frame view for 50mm lens, frames for 35mm, 50mm & 90mm. | Medium brightness, frames for 28 thru 135mm, confusing, separate window for W.A. lenses with less than full frame for 35mm. |
| 2. Shutter | Vinyl-coated stainless steel, can't burn, freeze, stall, deteriorate. Most accurate! | Cloth curtain, burns, freezes, stalls. | Cloth curtain, burns, freezes, stalls. |
| 3. Range-finder | Magnified full frame image. Brightest silver-spot for poorest light areas. | No magnification, difficult in dim light. | No magnification, difficult in dim light. |
| 4. Meter | Most sensitive, compact, light-weight, easy to read. | Fair sensitivity, bulky, small scale area. | Fair sensitivity, bulky, small scale area. |
| 5. Speed-of-action | Fastest, trigger action built-in, fastest rewind crank, fastest loading. | Old fashioned lever advance, no rewind crank, difficult loading. | Old fashioned lever advance, smaller rewind crank, inconvenient loading. |
| 6. Lenses | 18 available—fastest speeds, standard mount, lowest cost. | 13 available—slowest speeds, special mount, highest cost. | 16 available—special mount, higher cost. |

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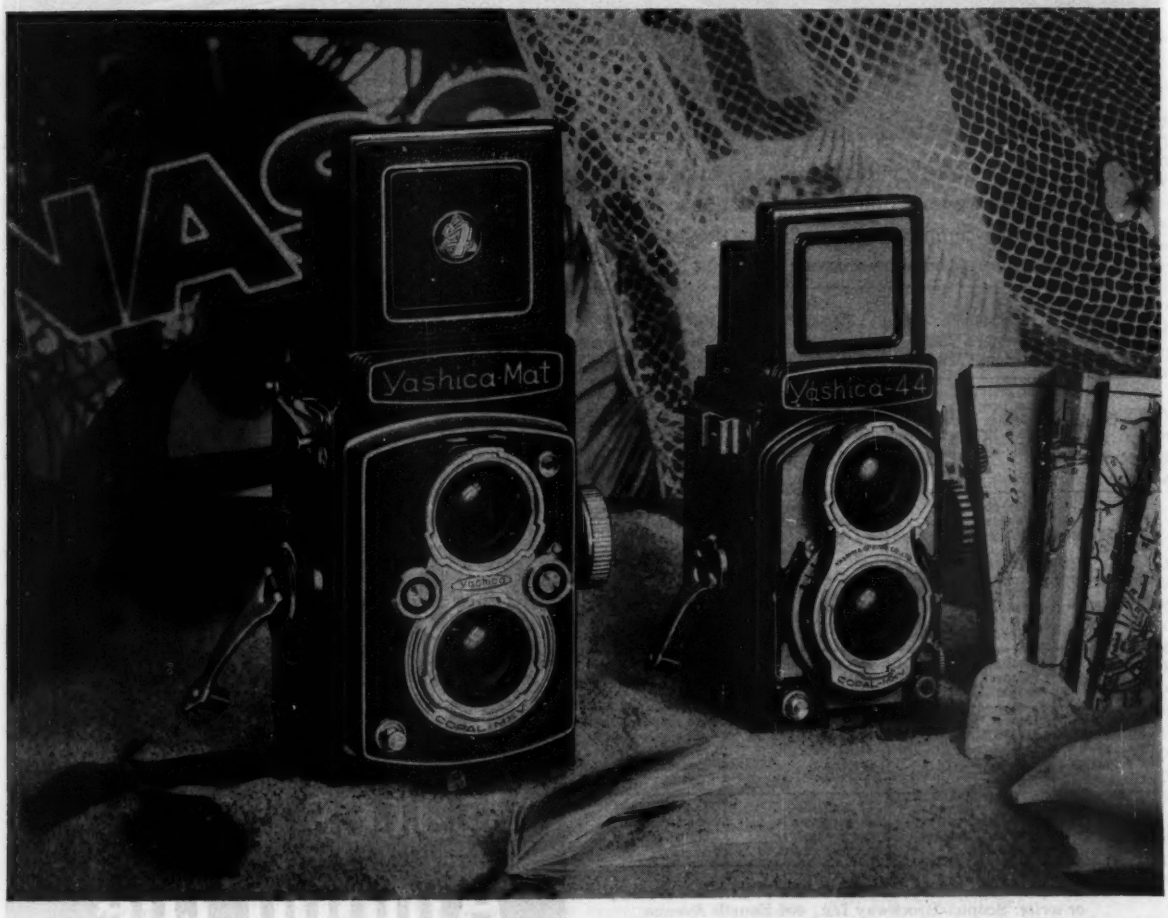


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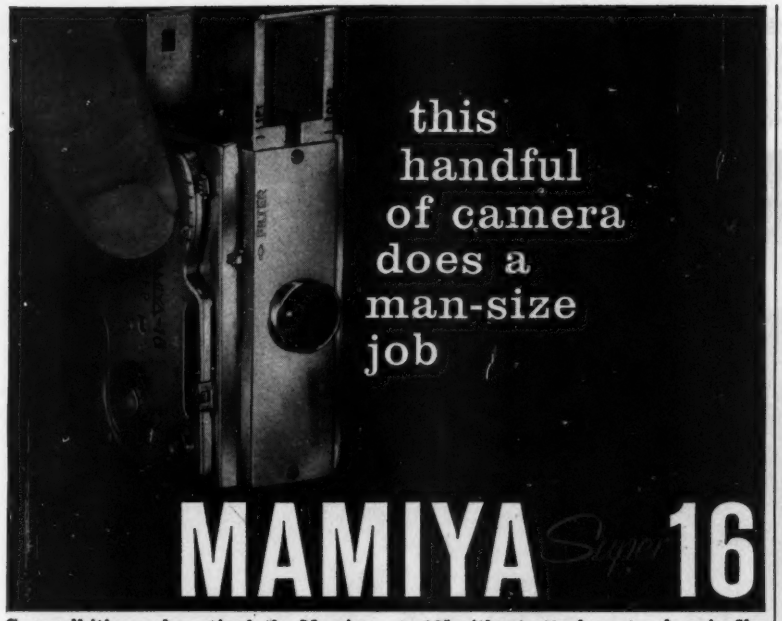


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# What's Ahead?

by LLOYD E. VARDEN

**Happenings on the European scene: something new, something old.**

I have just returned from a two months' stay in Europe, having spent July and August visiting various photographic manufacturers in England and on the Continent. You would expect one to return from such a trip bubbling over with exciting stories of new developments. But, I regret to report, nothing was shown to me that could be considered fundamentally "new." However, at least one important event took place, although no new product was involved.

### ICI-Color now Ilford

Some months ago I described in this column a new color negative film and color paper that had just been introduced by the giant British chemical firm, Imperial Chemical Industries Limited. The film is similar to Kodacolor film in that colored masking images are automatically formed during processing, but by means of a dye system different from that employed in Kodacolor.

When first introduced, this new color film was processed by especially appointed laboratories. These labs also were the only sources for color prints from the color negatives. A few weeks before I arrived in London (on July 3) ICI-Color film, color paper and processing chemicals were made available to photographers on a direct basis, probably because Kodak Limited had introduced its color negative film and "Type C" paper for individual processing. But not many photographers had the opportunity even to experiment with the processing of ICI-Color materials, because on August 22, just two months after releasing its products for consumer processing, ICI announced the discontinuance of manufacture. Instead, the process was turned over to Ilford Limited for further exploitation, and at the same time ICI arranged to acquire a one-third interest in Ilford.

It will no doubt take a few months before Ilford can re-introduce this

*(Continued on page 44)*

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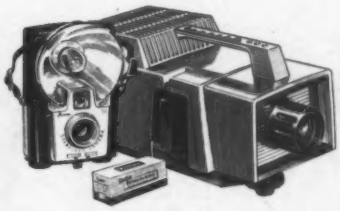

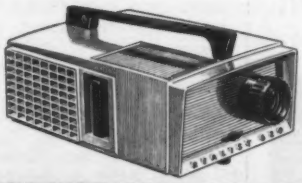

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# modern COLOR

**by NORMAN ROTHSCHILD**

**Kodacolor, the most complete and varied color film to date, now gives inexpensive transparencies for 35mm, Bantam; improved Ektacolor Print Film.**

The really exciting thing about the new Kodacolor way of getting color transparencies is that errors in exposure and in color balance need not lead to disaster, as is often the case when shooting reversal color such as Kodachrome and Ektachrome. And why? Simply because these errors can be corrected during printing!

Just how much your picture taking freedom can be increased has been shown by the results from a series of tests run by this writer.

I shot a number of Kodachrome and Ektachrome rolls, as well as Kodacolor, from which both prints and slides were ordered. Pictures were made with correct and incorrect exposure and with both the right and wrong color balance.

In terms of exposure, Kodacolor transparencies showed phenomenal latitude. As much as ½ stop underexposure or two stops overexposure led to such similar transparencies that it took careful scrutiny to tell them apart. Yet, although a full stop underexposure gave rather poor results in my opinion, three stops overexposure still gave an acceptable result.

But this isn't all! Despite large variations in exposure Kodacolor transparencies seemed to exhibit the same (or quite similar) color balance. The only exception here was when Kodacolor was incorrectly exposed to light of radically wrong color balance. This evidently led to errors that couldn't be fully corrected in printing.

Similar over and underexposures of the same subject led to far more unsatisfactory results when Kodachrome and Ektachrome were used.

### Interpreting the results

Now let's talk about the kind of color you can expect in Kodacolor transparencies, about resolution and about grain.

In general the Kodacolor transparencies made for me by Kodak seemed closest to Kodachrome in overall appearance. They were definitely colder than Ektachrome.

Blues were similar to Kodachrome blues but not as punchy and exaggerated looking. The yellows were among the truest I've seen in a long time; reds weren't so orangy as either Kodachrome or Ektachrome, and greens were very good.

From the point of view of gradation, Kodacolor transparencies showed better retention of shadow and highlight detail than do the Kodak reversal films. Many shots that appeared flat and posterish on Kodachrome and Ektachrome seemed to have an almost 3-D effect in Kodacolor transparencies.

As for resolution and grain, Kodacolor transparencies seemed somewhat better than Ektachrome but not so good as Kodachrome.

Shots made in the wrong kind of light, in shade, by fluorescents, with a conversion filter left in place accidentally, or by mixtures of daylight and tungsten all gave surprisingly good results. In most cases it seemed that the printers could correct better during printing than I could when using corrective filters on reversal film.

One caution here—don't expect results from creative tricks. The printers have been trained to correct mistakes whether they were accidental or intentional. If your trick is weird enough—like blurred action, soft-focus, use of strong filters, etc.—your negatives may come back unprinted. Have a custom color finisher work with you on trick effects, or print your own.

Kodacolor transparencies cost a mere 20¢ each. They may be ordered from Eastman Kodak along with, or instead of, Kodacolor prints at the time the film is developed or may be ordered later. Local finishers offer a similar service.

The material on which Kodacolor transparencies are made is neither suitable nor available for amateur handling at this time.

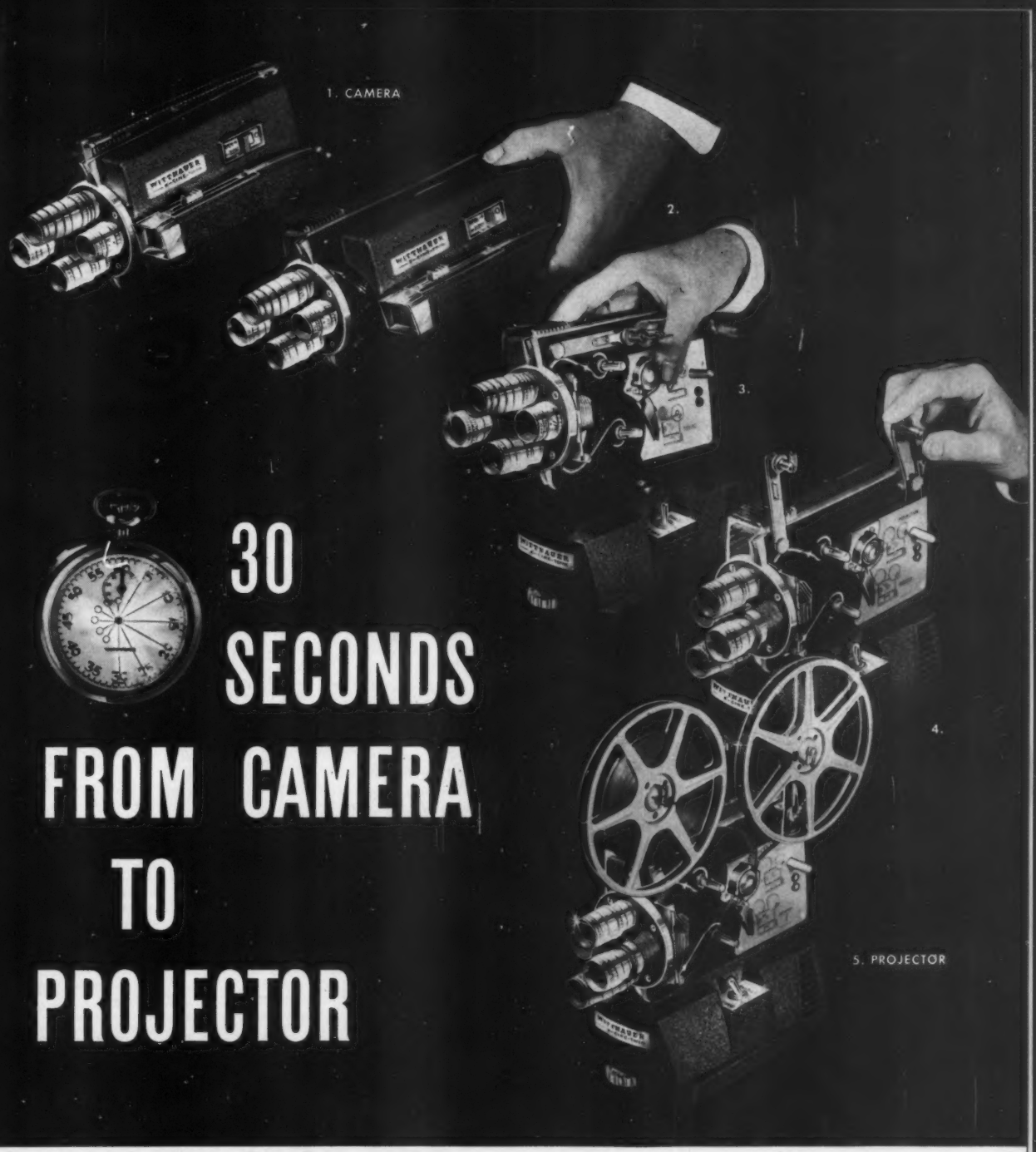
### Ektacolor print film

If you do wish to make your own same-size or enlarged transparencies from Kodacolor or Ektacolor negatives I suggest you investigate the new improved Ektacolor Print Film. This material has excellent resolution and grain structure. (Don't confuse it with low resolution Ektacolor Print Film which was formerly available.)

Nice thing about the new film is that it can be processed in the same C-22 kit used to develop Kodacolor or Ektacolor negatives.

Even more interesting is that the one-pint C-22 kit contains two batches of color developer and short stop. Thus you can use it to process your own Kodacolor negatives one night and make transparencies the next.

Handling and processing of Ektacolor Print Film is somewhat easier and faster than Ektacolor Paper. Might be just the thing for trying your color printing wings!—THE END

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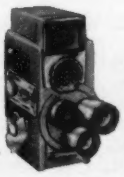

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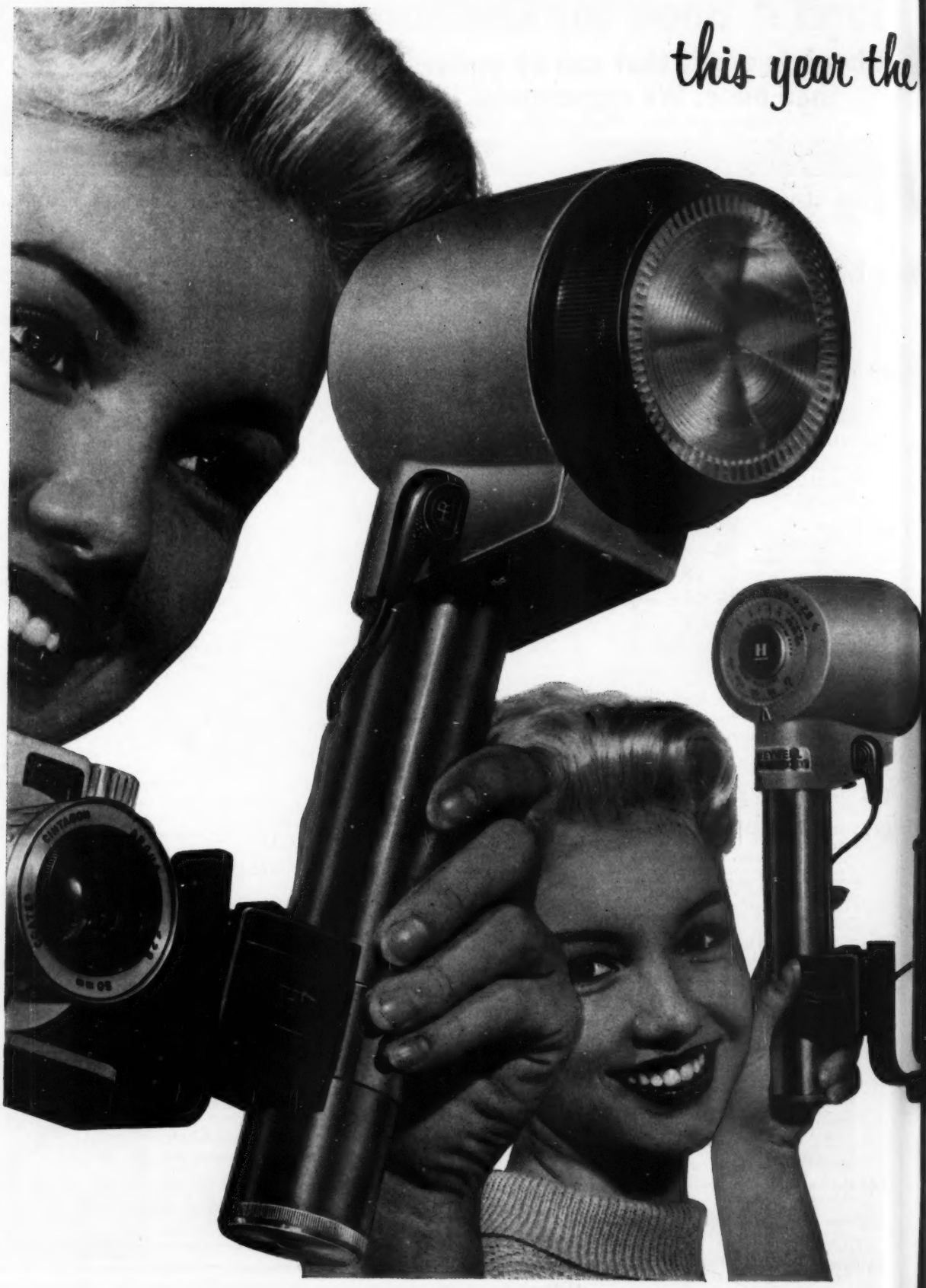
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## WHAT'S AHEAD

*(Continued from page 34)*

color process, but considering Ilford's extensive production facilities and manufacturing experience, it is in a position to make it a major contender in the color field.

### The Kodak (Limited) Museum

While I was in London, Dr. R. S. Schultze of Kodak Limited invited me to spend an afternoon in the Kodak museum at Harrow, England. I found it extremely interesting and highly recommend it as a part of your schedule if you are planning a trip to Europe.

Dr. Schultze, who is the Kodak Limited Research Librarian and Curator of the Museum, has many interesting stories on the historical development of still and motion picture camera and projection equipment, which he relates with pride and enthusiasm. The museum was started in 1927 under the direction of J. H. Pledge, but has been Schultze's baby since the latter part of 1945. Besides the very extensive collection of early photographic equipment, you will find original examples of photographs made by just about every process that has existed. The motion picture film examples vividly show the dedicated efforts of early workers to give the public a process in color—and with sound. It might surprise you to learn that Eugene Lauste, as early as 1906, produced variable area sound tracks on motion picture film, several examples of which are displayed in the Kodak Museum. And big-image processes are as old as the hills. One film produced by Paul in 1897 on 60mm film was hand colored, frame by frame.

### Lecture at the R. P. S.

The Royal Photographic Society in London requested me to give an informal talk at one of its meetings, but being totally unprepared the only thing I could do was to demonstrate the Slide-O-Film process since I happened to have a box of the material in my brief case. As you know from the advertisements, the Slide-O-Film process is a method for producing projection slides from black-and-white negatives, or black-and-white negatives from color transparencies. While I was describing the process on the platform, Dr. Wolf Berg made the actual demonstration, and it was the first time he had ever gone through the process. Believe it or not, the first trial produced a first-rate example, all within about one minute.

But it was not the luck of this demonstration that impressed me. It was the enthusiasm of the R.P.S. members for information on new developments and their keen interest in technical details. As a matter of fact, throughout Europe I found that photographers have more curiosity about how processes work, etc. than do their counterparts in the U. S. A.—THE END

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# 35 MM

**by JOHN WOLBARST**

**Report on a picture project, or, how to use up lots of film in a hurry.**

I live on the edge of a huge, rundown area in mid-Manhattan, all of which is about to be torn down to make way for what's commonly known as the Lincoln Square Project—an opera house, concert hall, parts of a university, and other items.

Some time ago I decided to photograph this whole area before it disappeared, not because it's beautiful or charming, but simply as a record. I already had hundreds of negatives of various parts of the area and of some of the poor but friendly folk who live there—particularly the children and their myriad cats and dogs. So, instead of a social commentary, I decided simply to record the physical features of the place.

Since such building projects are common these days, you may also want to make such a record. Here are some personal experiences which may be helpful to you.

I chose 35mm cameras instead of some other types because of their ease of handling and ability to cover most picture situations without a tripod. True, there are a few shots that cannot be made with any 35mm camera I have ever heard of—they demand a 4 x 5 camera with full swings and tilts. But I *can* get along without them.

After a few tests I decided that my 35mm lens would be most useful. It covers a wider area than the "normal" 50mm, but is still not such a problem to use as the ultra-wide-angle 28mm and 21mm lenses. I find them applicable only in special situations.

I carried a second camera, too, for detailed close-ups of signs, architectural items, etc. But I soon replaced the 50mm lens on the second camera with my 85mm (if I had a 105mm, I'd use that). So, I was all set for overall views and details too.

I arranged the length of the neckstraps on the cameras so that both cameras could dangle in front of me without bumping—one below the other. After cracking myself on the chin a few times I got the shorter upper one

*(Continued on page 48)*


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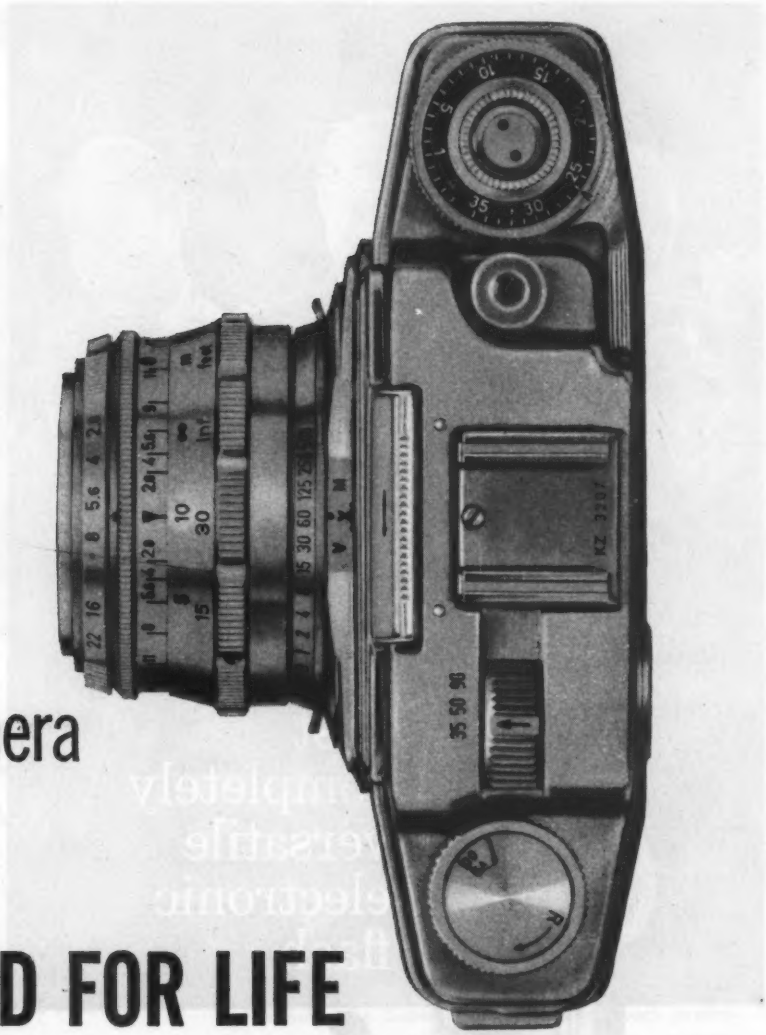

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## 35MM

*(Continued from page 46)*

just the right length. Incidentally, I am using two old model Canons, alternating one of them with my wife's ancient but excellent Leica.

Lighting was a problem. Direct sun hits the west side of the avenues and the south side of the cross streets only early in the morning. Since the buildings are drab and dirty anyway, I wanted a maximum amount of modeling to bring out details. So, from 8:00 to 9:00 A.M. I was snapping the lighted sides. East sides of avenues and north sides of cross streets were left mainly for late afternoon shooting. At that, there are some areas which never get sun at all; they could be done at any convenient time.

### Bright light: Slow film

Since I was planning my shooting to take advantage of bright light, I could use a medium slow, fine grained, sharp film. As I belong to the available film school of photography, I began with a large supply of Adox KB-17 which was available. I set my Brockway incident light exposure meter to 64, or 2X the "official" exposure index for this film. (Most of my exposures were 1/100 at f/8.) This was predicated on development in a vigorous, non-fine grain developer, to be picked from my charts (June, 1958 issue of MODERN). If I were choosing film from scratch, however, I would certainly pick the new Kodak Plus-X Pan, which would allow an exposure index of about 200.

One of the main problems was to avoid being run over—to get just the right framing I frequently was out in the middle of a busy avenue.

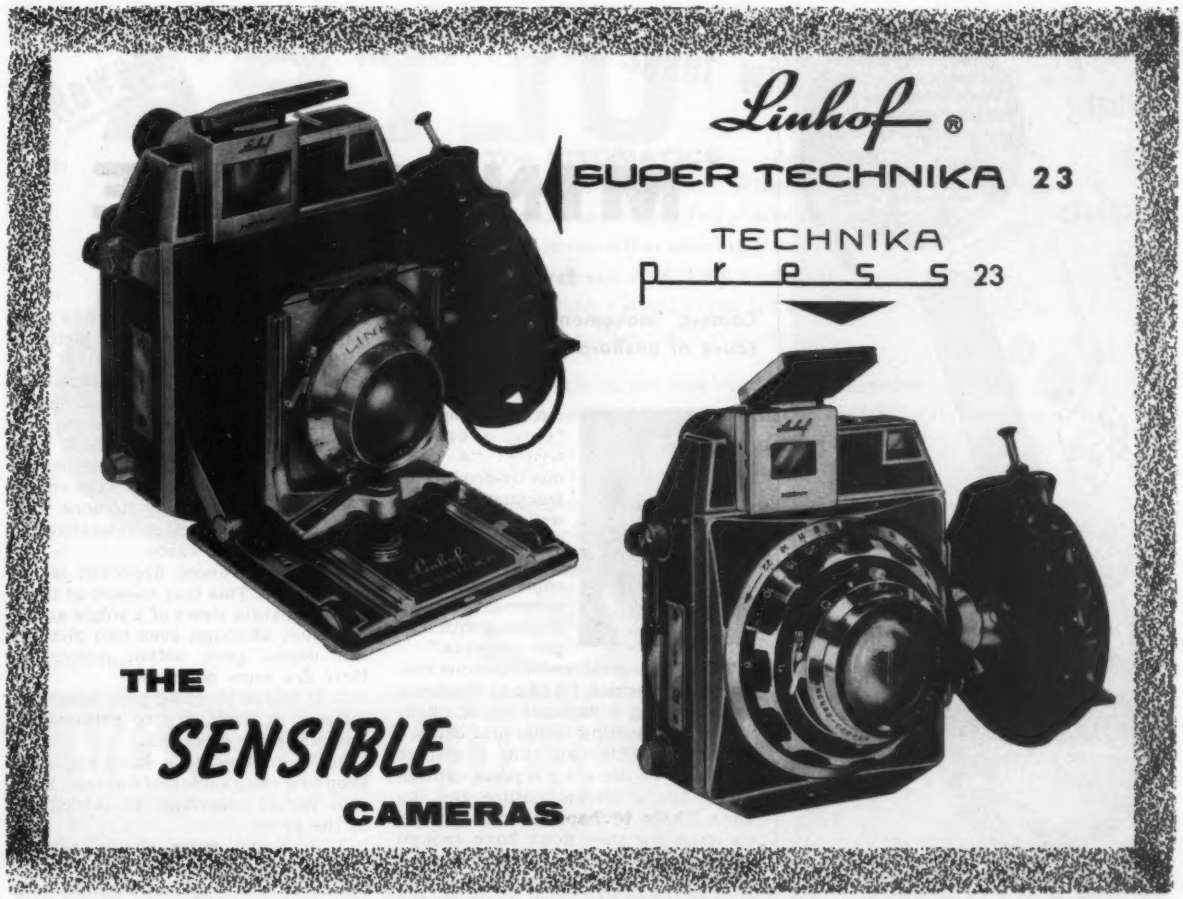
An invaluable item was a piece of ordinary writing chalk. As I went around I wrote date and location notes on walls or sidewalk and photographed them as a prelude to the exposures immediately following.

### Filters put to work

Although at first I went without filters, I soon discovered that they were necessary. Suprisingly, I have had many chances to work in nice sky effects. And contrast filters are ideal for bringing out details of local signs and colored chalk scribbles. Some of the signs are provocative. For example: "Pearl McCullough's Clubhouse and Sanatorium for Birds."

Oddly enough, I found that many shots which appeared to demand an ultra-wide-angle lens actually could be done much better at a distance with a "normal" or tele lens, plus a bit of ingenuity. Also, use of a sharp, fine grain film lets you pick a fragment out of a scene and enlarge it—frequently an acceptable substitute for a powerful tele lens.

There are about 30 square blocks in this project. If my feet hold out and I don't misplace the films I may have something.—THE END

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# ULTRA MINIATURE

## by JOSEPH D. COOPER

**Camera movement: the biggest cause of unsharp pictures.**

A correspondent from overseas writes: "A curious by-product of learning to work with my ultraminiature camera is that I've become even more proficient when working with bigger cameras."

There's a logical, not-so-curious reason for this which I'd like to illustrate by discussing a cardinal sin of ultraminiature shooting technique: camera movement. This can ruin a picture whether you use a 4 x 5 press camera or the tiniest ultraminiature. But it's more likely to happen with smaller cameras, for they don't have enough mass and weight to offset your own body and hand pressures. As a consequence, when you push down on the shutter button, you may jerk the camera enough to take the sharp edge off your picture, if not to ruin it completely. So don't be too hasty in blaming lens quality if your pictures come out soft. Camera movement is more apt to be the culprit.

The correct technique is to hold the camera comfortably, so that your finger falls naturally into place over the shutter release, without a feeling of strain or effort. Try some practice shots to get the feel of how far you have to depress the button before the shutter is released. The pressure on the button should be like that on a rifle trigger. You squeeze down steadily while also seeming to hold back.

This approach would be correct for the large camera, too, but its weight offers some greater degree of resistance to the same "pounds-per-fingertip" pressure. Also, a considerably lesser degree of enlargement will offer some tolerance for minor softness. Nevertheless, the good discipline of ultraminiature technique should minimize big picture error potentials.

Now, to take a lesson from the larger picture format: the cost of film for a larger camera teaches you to plan more carefully. As one goes down the scale of film sizes, however, shooting tends to become more indiscriminate. This is another cardinal sin. Sometimes it is simply to use up a long roll. In any event, it is sheer waste to have a number of almost identical pictures.

If you want insurance against failure, a more legitimate procedure is to bracket your exposures. Shoot one at the apparently correct exposure, one at half this and one at double it.

Even better, if you're reasonably sure of your exposure, vary the shooting angle or the shooting distance. This will give you a better selection for printing, without waste.

A more advanced approach is the story series. This may consist of three to six separate views of a single action sequence, although even two pictures can depict good action movement. Here are some pointers:

1. If you're shooting pure action, of interest in itself, try to capture the key stages or moments.
2. When shooting a story sequence, keep to a main thread of interest. Each shot should contribute to the climax of the event.
3. A party series should capture groups, special events or activities, individuals and props. If feasible, take an unposed picture of the party as a whole. In fact, all your party candids should be unposed, preferably. Props and decor can be captured as part of the background interest.

### New Products

Yankee Photo Products announces Instant Film Dryer which permits enlarging immediately after processing. Of more interest to the ultraminiaturist, quick drying cuts down the hazard of dust attraction during air drying. Two other benefits claimed by Yankee are reduction of static electricity and hardening of emulsion.

Burleigh Brooks, Inc. is now distributing the Nikor wire developing reel in the Minox size. This permits simultaneous development of two or more rolls of film in the same tank.

Also for Minox fans who want to load their own film, plans for a film cutter can be obtained for $5.50 from PKS Originals, Box 2, Glen Oaks Br., Floral Park, N. Y. The cutter can be assembled with only a few hand tools. Loading your own Minox cassettes is ordinarily a tricky business, but the plans for the cutter are clearly presented.

I've had a number of inquiries about a new German camera, the Mec-16 (f/2.8 20mm, speeds to 1/1000 sec.). It is not yet on the American market but MODERN will report on it when it is released here.—THE END

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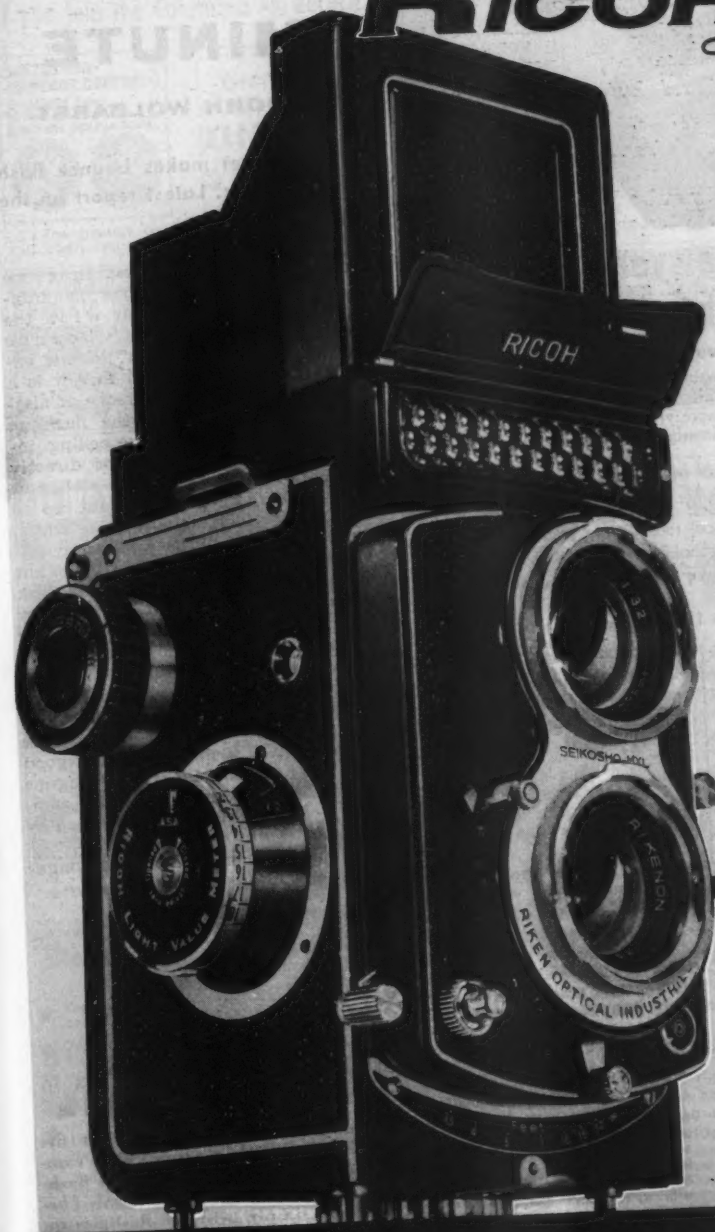


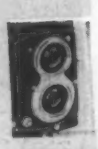

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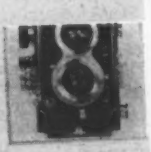

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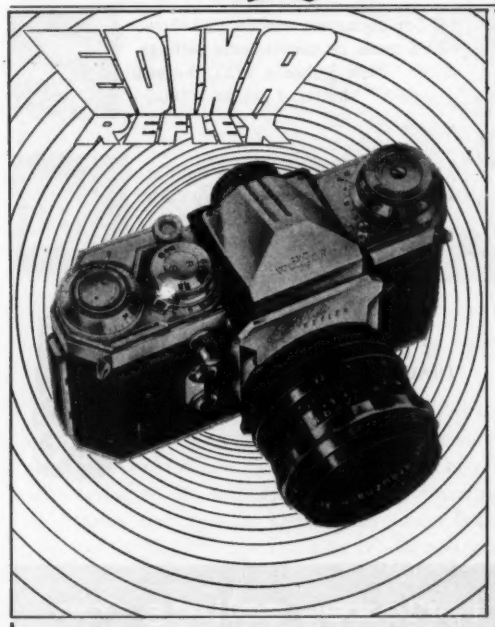

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# PICTURES in a MINUTE

**by JOHN WOLBARST**

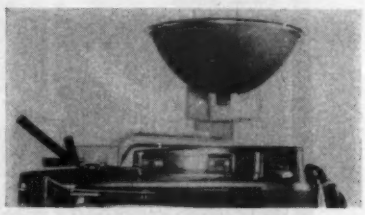
**New bracket makes bounce flash easier to use. Latest report on the tiniest flashbulbs.**

Just in case anyone is unfamiliar with the term "bounce flash" let me explain that it is a technique of aiming the flashgun at the ceiling, instead of directly at the subject. Thus, the light goes straight up to the ceiling which, usually being white, acts as a giant diffuser/reflector, filling most of a room with brilliant but not at all harsh light. The result: flash pictures of infinitely better quality than it is possible to make by using a single flashbulb on the camera, aimed toward a soon-to-be-blinded subject.

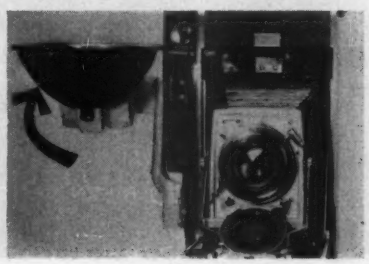
The first Polaroid bounce flash bracket (Model 290) appeared about 3½ years ago. It was a simple, bent stainless steel strip, but it did a good job. At that time Polaroid flashguns (except one for the Highlander camera) were connected to the camera by a separate wire.

Current camera models no longer

*(Continued on page 58)*



**Model 292 bounce flash bracket fits into accessory shoe (arrow) atop camera body. For horizontal pictures flashgun points this way. For verticals (*below*) you simply twist the flashgun on its swivel, as shown.**



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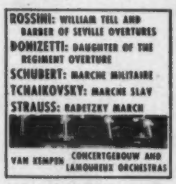


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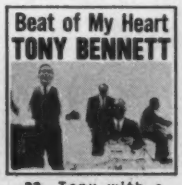


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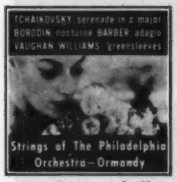


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23. Brahms: Symphony No. 4
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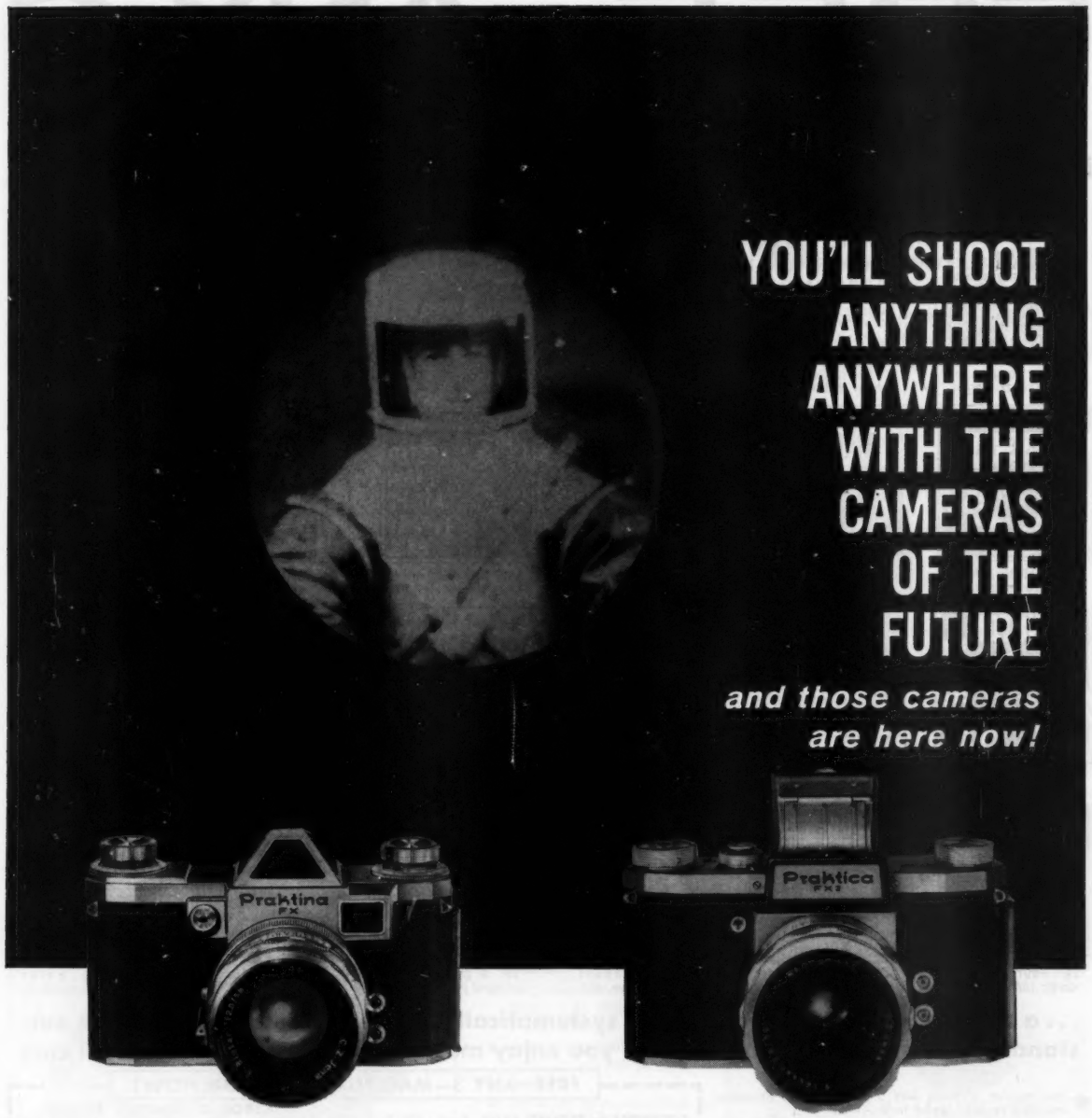
L-20

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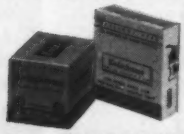

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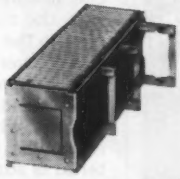
.....25-ft. roll Kodachrome Type A, ASA 16 (our No. 25-06) . . . . . 3.29
.....25-ft. magazine Kodachrome Daylight, ASA 10 (our No. 25-07) . . . . . 4.29
.....25-ft. magazine Kodachrome Type A, ASA 16 (our No. 25-08 ) . . . . . 4.29

**SEND FOR FREE CATALOG**

### 20 exp., 35mm. KODACHROME

*including processing by Technicolor — you mail exposed film directly to Technicolor — receive mounted slides back from them direct, ready to show! (Allow 8c per roll postage.)*

.....Kodachrome Daylight, ASA 10 (our No. 15-04) . . . . . $2.79
.....Kodachrome "F" Flash, (our No. 15-05) . . . . . 2.79



### 2"x2" SLIDE MAGAZINES AND TRAYS

Airequipt Magazines *(Our No. 17-01)* for 36-slides
Each (plus 12c-pp), $1.77
Six (plus 31c-pp), $9.99

Keystone S-40 Plastic Slide Tray, holds 40-slides, for AO, B&H, Keystone, TDC, Viewlex. *(Our No. 17-03)*
Each (plus 17c-pp), 89c
Three (plus 27c-pp), $2.49
Twelve (plus 51c-pp), $7.98

Yankee Molded Plastic Slide Tray, holds 30-slides, for AO, B&H, Keystone, TDC, Viewlex. *(Our No. 17-02)*
Each (plus 8c-pp), 89c
Three (plus 27c-pp), $2.49
Twelve (plus 51c-pp), $7.98

Yankee Molded Plastic Slide Tray, holds 36-slides, for Revere and Wollensak. *(Our No. 17-04)*
Two (plus 20c-pp), $1.79
Six (plus 35c-pp), $4.98

### RECORDING TAPE

*(Allow 23c postage for first 7-inch reel of tape, 4c for each additional reel.)*

Blackhawk 7-11A, 7-inch reel of 1200-ft. (Our No. 48-01).
One for $1.79; six for . . . . . $ 9.99
Fidelitape Long Playing Type, Acetate Base, 7-inch reel of 1800-ft. (Our No. 48-04).
One for $2.79; six for . . . . . $14.95
Fidelitape Long Playing Type, Mylar Base, 7-inch reel of 1800-ft. (Our No. 48-05).
One for $3.79; six for . . . . . $19.95
Fidelitape Double Play Tape, Mylar Base, 7-inch reel of 2400-ft. (Our No. 48-12).
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### NEW REELS AND CANS for 8mm. FILM and TAPE

*Made by one of the top manufacturers, Goldberg Bros. of Denver, these reels and cans are available at bargain prices! Standard reels and cans finished in dull brown baked enamel; "economy" reels in gray enamel.*

7-inch diameter "standard" 8mm. or magnetic tape reels (our No. 51-02):
1 (plus 11c-pp), 59c  3 (plus 27c-pp), $1.49
6 (plus 31c-pp), $2.79

7-inch diameter "economy" 8mm. or magnetic tape reels (our No. 51-10):
3 (plus 27c-pp), $1.19  6 (plus 31c-pp), $2.19

7-inch diameter "standard" case for 8mm. or magnetic tape reels (our No. 50-02):
1 (plus 14c-pp), 59c  3 (plus 27c-pp), $1.49
6 (plus 35c-pp), $2.79

5-inch diameter "standard" 8mm. or magnetic tape reels (our No. 51-01):
1 (plus 11c-pp), 49c  3 (plus 23c-pp), $1.39
6 (plus 27c-pp), $2.69

5-inch diameter "economy" 8mm. and magnetic tape reels (our No. 51-09):
3 (plus 23c-pp), 99c  6 (plus 27c-pp), $1.89

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*(All three sets* . . . . . $7.98)

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COMING SUNDAY *(20 slides) Coming Attraction Slides of the Silent Days* . . . . . $2.98
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NEW ENGAND AUTUMN *(13 slides)* . . . . 1.98
THE PACIFIC NORTHWEST *(35 slides)* . . 4.98
PARIS ON THE SEINE *(30 slides)* . . . . . 6.98
SAN FRANCISCO AFTER DARK *(15 slides)* . . . . . 2.39
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## PICTURES IN A MINUTE

*(Continued from page 54)*

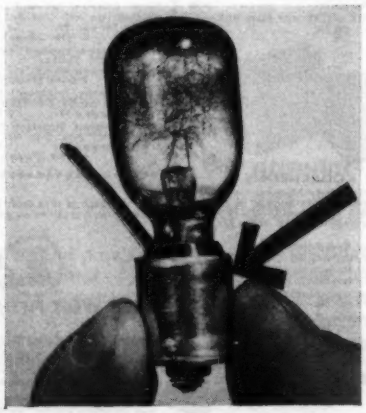
have the wire connection (exception: the Model 95B). The flash connection is on the camera body and engages a contact in the foot on the bottom of the flashgun. So, we must have a bounce flash bracket with internal wiring to the flashgun. There has been such a bracket (Model 291). Now we have Model 292 ($2.95) which is really a vast improvement over the Model 291. I would recommend that this bracket should be owned by anyone having a Polaroid Land camera with the flash connection on the body next to the viewfinder. A word of caution: Insert the gun in the bracket *before* clipping the bracket to the camera. Avoid twisting strains on the bracket when inserting or removing flashbulbs. Although the plastic material is sturdy, the bracket can break if you push too hard.

### Now, an effective tiny bulb

Some months ago I wrote about the tiniest flashbulbs—the M2 and its newer, more powerful cousin, the zirconium filled M25. Although the M25 gave lots of light, its timing did not quite match the Polaroid Land camera shutter synchronization, so the results were not too good.

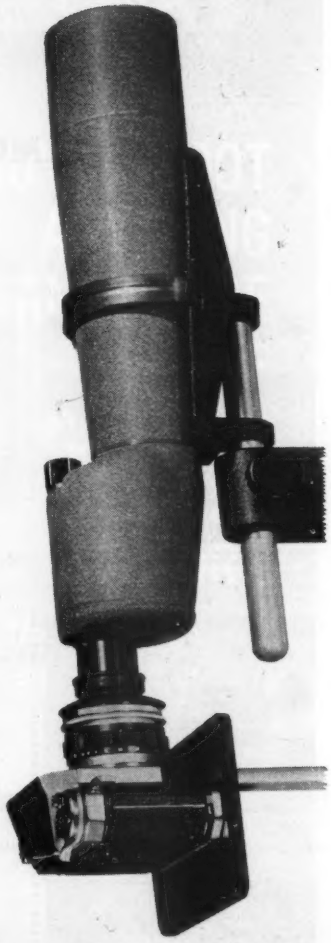
Now there's a new bulb, the M5. It's timed just right to work with all Polaroid shutters. Although advertised as giving as much light as the bigger No. 5 bulbs, it actually gives a bit less light in the Polaroid flashgun, since the reflector is not designed for this tiny bulb. This is noticeable with direct flash. With bounce flash, the differences are very minor. I found that the M5 could be used with the same direct and bounce flash guides as are suitable for the No. 5 bulbs. They're so much more convenient to carry than the No. 5 bulbs that I'm using them exclusively from now on.

—THE END



**To use the M5 bulb (life size, here) in your Polaroid flashgun, you need the inexpensive adapter (arrow). This stays in the flashgun socket. Bulbs are ejected from the adapter by pushing the lever which protrudes at left of adaptor.**


# USE YOUR IMAGINATION!



If you seek and shoot for dramatic impact, **SPACEMASTER**—*world's most versatile telephoto lens*—is for you!

With **SPACEMASTER** you use your *present* camera, be it *35mm, 2¼ x 2¼, 8mm or 16mm* movie. Interchangeable eyepieces (15x, 20x, 25x and 40x) combine with camera lens to deliver a wide, powerful range of focal lengths—*750mm* to *3000mm!*

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One lightweight unit, one price for all cameras—only *$124.50.* 20-Year Guarantee.

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*Write*— **Bushnell**

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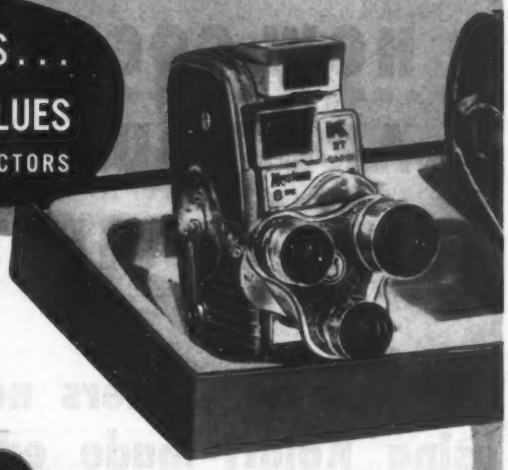
# MAKE IT A BIG CHRISTMAS...

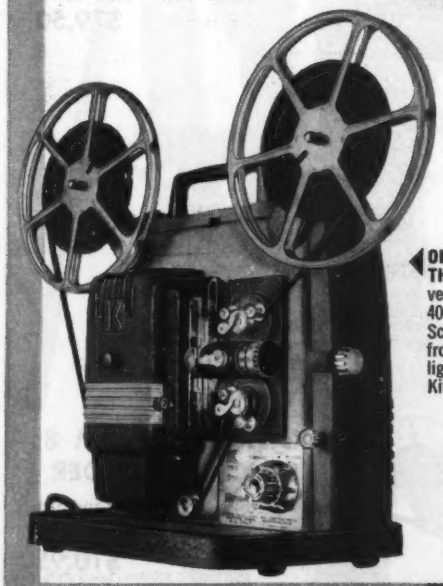
## WITH THESE BIG KEYSTONE MOVIE VALUES

ELECTRIC EYE CAMERAS · SINGLE-CONTROL PROJECTORS



**LOWEST PRICED AUTOMATIC ELECTRIC EYE TURRET CAMERAS.** Built-in brain "reads" light, sets lens automatically. Turret camera with single *f* 1.8 lens, built-in "A" and Haze filters (KA-1 single) — **$89.95.** Complete with three lenses (KA-1 triple), **$119.95.** De Luxe model KA-3, with exclusive Safety Control (if light is inadequate, camera won't start!) — $149.50

**K-27 TURRET MOVIE CAMERA** with 3 lenses, light meter, camera case, attractive gift box. Has electric eye light meter, Quick-Shift Turret with *f* 1.8 normal, wide-angle, telephoto lenses. "A" and Haze filters. Complete **$99.95**



**ONE KNOB DOES EVERYTHING:** start, stop, reverse, "still," fast rewind. 400-foot reel. Magna-Scope lens fills 40" screen from only 13 feet. Room light switch. Quik Splice Kit. K-100. **$99.95**

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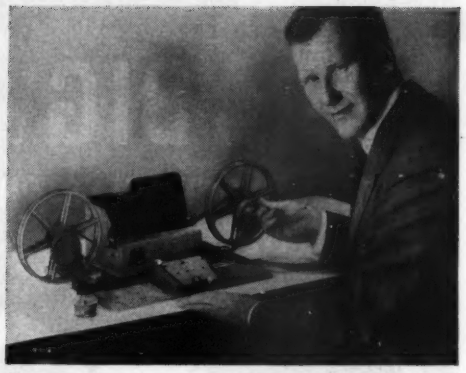
**LIFETIME GUARANTEE ON THESE KEYSTONE CAMERAS AND PROJECTORS. REGISTERED IN YOUR NAME.**

# Keystone

For free catalog, write Dept. 4L, Keystone Camera Co., Inc., Boston 24, Mass. Prices slightly higher in Canada. ● 1958.

# HOW GOOD ARE YOUR HOME MOVIES?



Your movies take on new sparkle when you "edit" film to build action, continuity and interest.

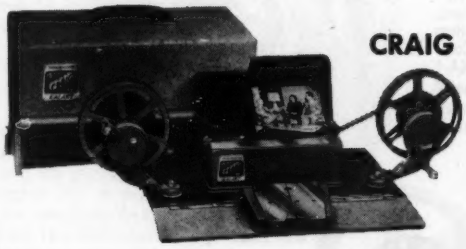
## Most movie makers never know — until they start using Kalart-made editing and splicing equipment

ARE you in the habit of showing your movies just as they come back from the processing lab? A film that consists of unrelated scenes, blanks, blurs and poorly exposed sections may be interesting the first time you see it—but is invariably disappointing with repeated showings. Such movies are like rough diamonds before cutting and polishing.

As thousands of movie makers can tell you, you never know how good your movies can be until you use a Kalart or Craig editing outfit. These ingenious, easy-to-use editors enable you to transform "straight-from-the-lab" footage into a polished, entertaining film that tells its story smoothly from sequence to sequence without the distraction of unwanted sections. Movies that include only your very best shots to create action and interest are movies that your friends and family will ask to see over and over again.

You'll find that it's simple to create movies of lasting value when you splice and edit with a Kalart or Craig outfit as shown in this page. You see your pictures sharp and clear on a big, illuminated screen. Get the true "flow" of movies in action. Study a frame for as long as you care to without overheating film. Built-in splicer and handy bottle of Craig film cement enable you to make permanent, precision splices in a jiffy.

Decide now to get the best from your movies. Ask your photo dealer to show you a Kalart or Craig the next time you pick up a roll of film.



### CRAIG PROJECTO-EDITOR

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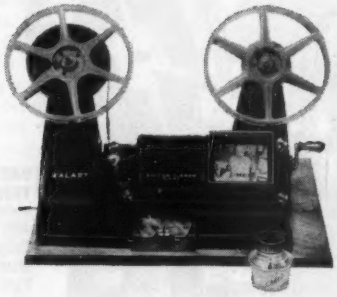
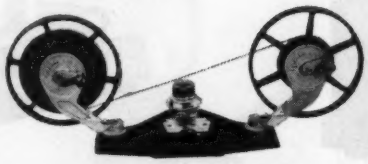


### KALART EDITOR-VIEWER 8

Favorite for 8mm. Enlarges picture 12 times on bright screen. Complete with handy carry-carton. **$39.50**



### KALART CUSTOM 8 SPLICER-REWINDER

Complete with splicer and rewinds that accept 400' reels of 8mm film. **$10.95**

**SEND FOR 36-PAGE ILLUSTRATED BOOKLET**

Packed with tips on how to improve your movies. Regularly 50¢. Only 10¢ with this coupon. Mail to Kalart, Plainville, Conn. Dept. M-6.

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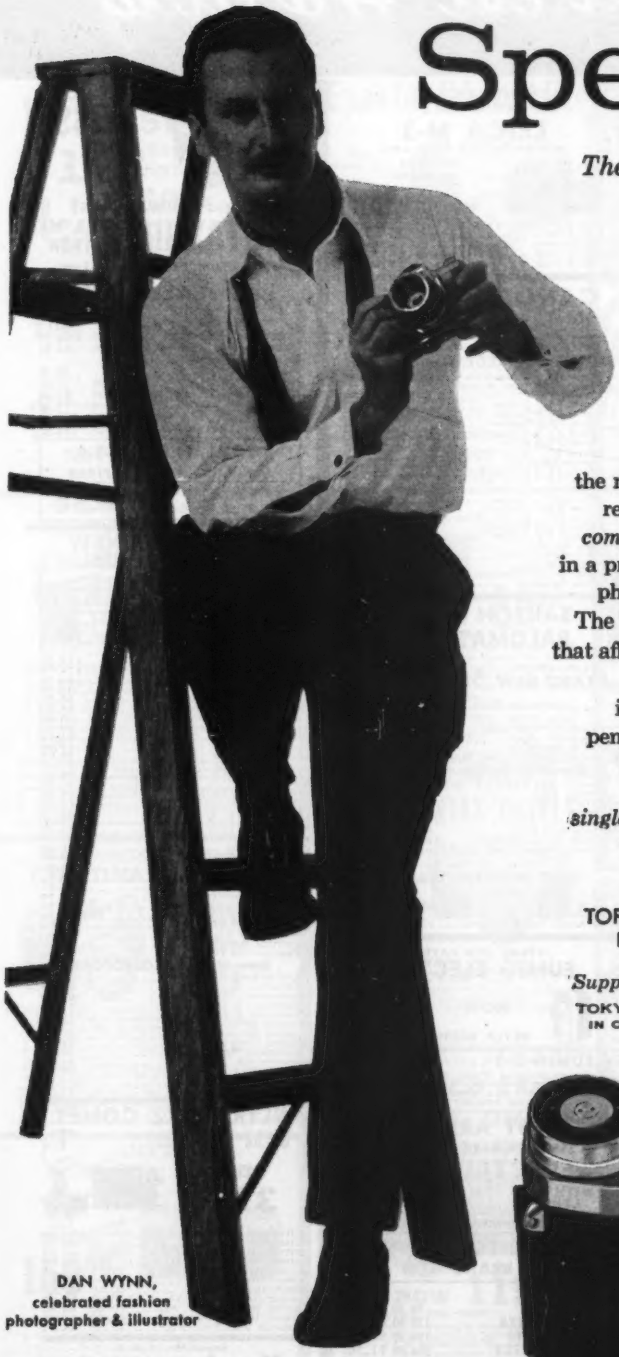
# Frankly Speaking...



DAN WYNN,
celebrated fashion
photographer & illustrator

*The new* TOPCON "R" 35mm *Single-Lens Reflex is*
NOT *as simple to use as a box camera*
NOT *made for the novice snap-shooter*
NOT *a so-called "electric-eye-automatic"*
NOT *mass manufactured in great quantities*
NOT *small enough for your pocket*
NOT *the lowest cost single-lens reflex*
NOT *able to "think" for you*

## BUT...

the new TOPCON "R" 35mm SINGLE-LENS REFLEX represents the culmination of single-lens designs . . . the *complete* camera that embodies *every* professional feature in a professional camera! The camera that does more for the photographer, by freeing him for the *art* of photography. The TOPCON "R" embodies the automatic-return mirror that affords *"follow-thru"* viewing; a range of fully-automatic TOPCOR lenses, the world's sharpest and fastest; interchangeable viewing hood and brilliant split-image pentaprism; 11 speed synchronized focal plane shutter to 1/1000th second; single-stroke automatic advance . . . *and many more features never before combined in a single-lens reflex!* These, added to the ability to use the vast variety of lenses available for Exakta-mount cameras, make TOPCON "R" prime choice for the specialist!

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49.50 plus your Leica IIIF
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59.50 plus your Retina IIIC
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ABOVE WITH LIGHTMETER
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WITH F1.8 CANON LENS
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| 35mm F3.5 Canon | 44.50 |
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| 35mm F1.8 Canon | 89.50 |
| 50mm F2 Dual Range Summicron | 97.50 |
| 50mm F1.2 Canon lens | 138.50 |
| 85mm F2 Zeiss Sonnar | 67.50 |
| 85mm F2 Canon | 67.50 |
| 85mm F2 Nikkor | 79.50 |
| 85mm F1.9 Canon | 89.50 |
| 90mm F4 Elmar (Chrome) | 54.50 |
| 125mm F2.5 Hektor | 104.50 |
| 135mm F4 Hektor (Chrome) | 97.50 |
| Case for M-3 | 12.00 |
| "N" Meter | 14.50 |
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| Leica Casettes | 1.95 |

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| Balomatic 300 | 84.50 | 58.95 |
| B & H Headliner | 39.95 | 26.95 |
| Graflex Constellation 500 | 67.75 | 49.95 |
| Graflex Const. Electric | 89.75 | 61.50 |
| Graflex Const. Remote | 99.50 | 69.50 |
| Revere 553 | 79.50 | 54.95 |
| Revere 555 | 89.50 | 62.95 |
| Revere 888 | 194.50 | 98.95 |
| Revere 888D | 159.50 | 109.50 |
| Wollensak 815 | 149.50 | 99.95 |
| Argus 300 Auto | 69.50 | 44.00 |
| Kodak Cavalcade 500 | 149.50 | 110.00 |
| Viewlex Powermatic | 99.50 | 69.50 |

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with 50mm F3.5 Tessar Lens
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| Contax IIA, F2 Sonnar | $298.00 | $226.95 |
| Contax IIA, F1.5 Sonnar | 318.00 | 244.50 |
| Contax IIIA instead of IIA, Add | | 18.50 |
| Ikoflex Ib, F3.5 Novar | 99.00 | 53.00 |
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| Ikoflex Ic, F3.5 Tessar | 146.00 | 79.95 |
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| DeJur Electra Turret f1.8 | 112.00 |
| Keystone KA-3 f1.8 | 113.95 |
| Keystone 20-X, F2.3, Meter | 32.50 |
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| Keystone K-33 f2.5 | 58.50 |
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| Keystone K-42 f2.5 | 58.50 |
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| Revere CA-4 | 149.00 |
| Revere 64 f1.9 | 118.50 |
| Revere 89 f1.9 | 89.50 |
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| Wollensak C47, f1.8 | 67.50 |
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| Keystone K-100 | 74.50 |
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| Ultrablitz Meteor | 99.50 | 74.50 |
| Mecablitz 100 | 49.50 | 37.50 |
| Braun Hobby Auto AA | 106.00 | 69.50 |
| Braun Hobby Spec. AM | 79.50 | 49.50 |
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- Exakta B.C. Flashgun
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| 135mm F3.5 Travenar preset | 89.95 | 47.50 |
| 135mm F3.5 Travenar for Praktina | 93.00 | 54.50 |
| 135mm F2.8 Auto Quinar | 179.50 | 129.50 |
| 135mm F2.5 Angenieux | 179.50 | 109.50 |
| 150mm F5.5 Piesker preset | 59.95 | 27.50 |
| 150mm F5.5 Tele-Megor | 59.50 | 29.50 |
| 180mm F5.5 Tele Megor | 82.95 | 47.50 |
| 180mm F5.5 Piesker PS | 72.00 | 36.50 |
| 180mm F4.5 Westenar preset | 119.50 | 69.50 |
| 180mm F2.8 Zeiss Sonnar PS | 340.00 | 199.50 |
| 200mm F5.5 Piesker preset | 79.50 | 38.50 |
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| 250mm F5.5 Tele Megor | 134.50 | 69.50 |
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| 300mm F4.5 Tele Megor PS | 199.50 | 119.50 |
| 300mm F3.5 Telegon, used | 360.00 | 145.00 |
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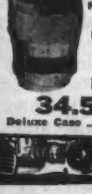

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| 35mm F2.5 Kinegon preset | 89.95 | 49.50 |
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| 40mm F3.5 Macro Kilar E, used | 89.95 | 59.50 |
| 40mm F3.5 Macro Kilar D, used | 114.95 | 69.50 |
| 40mm F2.8 Macro Kilar E, used | 119.50 | 84.50 |
| 40mm F2.8 Macro Kilar D, used | 139.50 | 98.50 |
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| 50mm F2 Auto Westagon. | 110.00 | 54.50 |
| 50mm F1.9 Auto Xenon | 169.50 | 89.50 |
| 58mm F2 Auto Biotar | 162.50 | 84.50 |
| 80mm F2.8 Tessa: preset | 79.50 | 49.95 |
| 85mm F2.8 Travenar preset | 89.95 | 49.95 |
| 85mm F2 Piesker preset | 99.50 | 49.95 |
| 90mm F2.8 Macro Kilar preset, used | 349.50 | 169.50 |
| 90mm F2.5 Angenieux PS | 94.50 | 67.50 |
| 90mm F1.8 Angenieux | 149.50 | 74.50 |
| 100mm F2.8 Piesker PS | 59.50 | 34.95 |
| 100mm F2.8 Meyer PS | 75.00 | 43.50 |
| 105mm F3.5 Travenon short mt | 33.00 | 22.50 |
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| 135mm F4.5 FOR EXA | 39.95 | 24.50 |
| 135mm F4.5 Travegon | 49.94 | 27.50 |
| 135mm F4.5 Travegon for Praktina | 53.00 | 38.50 |

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**Biggest single innovation is film plane focusing.** Rather than focus the lens—or front elements of the lens—a convenient **focus wheel** on the camera back moves **the film plane** to and from the lens. Any optical expert will tell you that this modern feature must produce sharper pictures.

And you don't need an expert to see how convenient this is. Like a fast-handling miniature, you can focus and fire quickly, then use the automatic film transport to advance film and set the shutter for the next exposure. What's more, Mamiya Auto 6 can also be pre-focused with camera closed, ready for instant action the moment it is sprung open.

Other features include: automatic film transport; accidental-double-exposure prevention; combined range-viewfinder; shutter speeds to 1/500; color corrected f/3.5 lens; M and X flash synch, and many more. See the modern folding camera at your dealer or write: Mamiya, Dept. MP-12, 251 Fourth Avenue, New York 10, New York or Precision Cameras of Canada, 77 Vitre Street W., Montreal.

**$99.50**

# the LARGE CAMERA

by ANDREAS FEININGER
Staff Photographer for *Life*

**How to build your own 4 x 5 telephoto camera. Part I.**

In contrast to 35mm and 2¼ x 2¼-in. cameras, large cameras have one advantage which becomes the more obvious and appreciated the longer one works with them: simplicity of construction. As a result, not only are large cameras practically free from mechanical breakdowns (and if something happens it can usually be repaired on the spot, at least temporarily, with a screw driver or masking tape), but they can also be easily and relatively inexpensively converted into specific-purpose instruments. Much of such a conversion can be done by anyone who is familiar with the use of simple woodworking tools. For instance, should you be interested in converting your 4 x 5 into a highly efficient telephoto camera, the following tells you how:

### Requirements of a telephoto camera

Any workable telephoto camera must fulfill three basic requirements: 1. It must be equipped with a lens with longer-than-standard focal length in order to produce images in larger-than-normal scale. 2. It must be equipped with an extension long enough to permit focusing this special lens. 3. It must be constructed in such a way that it is rock steady during the exposure since even the slightest tremor would cause noticeable blur in the negative.

### The lens—what should you buy?

Whereas good telephoto lenses for small cameras are invariably expensive—often fantastically so—wonderful lenses for a 4 x 5 telephoto camera can be purchased comparatively cheaply if the photographer knows what to buy. He has the choice of three different types of long-focus lenses:

1. ***True telephoto lenses*** are characterized by the fact that they require less bellows extension than the equivalent of their focal length. For example,

*(Continued on page 66)*


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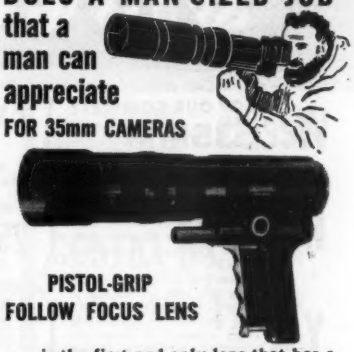

PISTOL-GRIP FOLLOW FOCUS LENS

. . . is the first and only lens that has a patented, rapid focusing device in the trigger grip. You can achieve instant and continuous focusing of moving subjects and tracking at all times. Lightweight, eliminates tripod . . . can be held in one hand while the other hand is always on the release. With Novoflex lenses, you are always "on target," ready to catch peak action, never too late for that fleeting moment! Perfect for unobserved candids, sports, news, wild life, all action shots.

Novoflex lenses are the quickest, long-focus lenses in the world and the three different focal lengths can be used without changing mount.

240mm f4.5..... $249.50 List
300mm f5.6..... 257.50 List
400mm f5.6..... 289.50 List

PISTOL-GRIP FOLLOW FOCUS BELLOWS

List $119.50 including case.

Combining the features of the Follow Focus Lens with the Bellows attachment, short mount lenses from 50mm up to 240mm are screwed directly into the front of the unit permitting a complete range of accurate focusing from closeup to infinity. Follow Focus Bellows fit all 35mm reflex cameras as well as Leica and Contax type fitted with a reflex housing. Swivel mechanism rotates mount to obtain horizontal or vertical format. Individual bellows available to fit most cameras. Sunshade additional $14.25 List.

BALCOP SLIDE COPYING ATTACHMENT

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. . . permits copying and cropping of slides, both B&W and color, from 1:1 to almost 3x magnification of a section of a slide or negative. For use with Novoflex Bellows and Sunshade.

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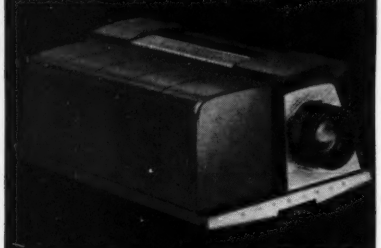

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*EXCLUSIVELY YOURS... the features that make a world of difference in slide projection!*

- **BRIGHTER!** New OPTACOR lens system gives 500-watt performance with "tru-Focus" 300 watt lamp!
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- **MORE ECONOMICAL!** No expensive trays or magazines to add cost to every slide. Push-pull Ready-Matic Changer holds 36 slides in sequence!
- **MOST DURABLE!** Indestructible MARLEX* housing guaranteed for life against breakage or fading!
- **MOST CONVENIENT!** Lamp changes in seconds, even in the dark. No burned fingers, no tools required. Sealed trouble-free chassis.
- **LIGHTEST WEIGHT!** Weighs a mere 6 pounds, 7 ounces complete, with built-in carrying handle.
- **LARGEST PICTURE!** Brilliant coated 4" projection lens shows a larger picture, even in cramped quarters.
- **GREATER VERSATILITY!** Projects 35mm, Bantam or 127 Super slides, with no change of optics required. Sharp corner to corner!

**49.95** *COMPLETE WITH PUSH-PULL READY-MATIC CHANGER*

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OPTICS MANUFACTURING CORP.
Willard & Amber Sts., Philadelphia 34, Pa.
Canada: Arrow Photo. Equip., Toronto (prices slightly higher)


## THE LARGE CAMERA

*(Continued from page 64)*

the Dallmeyer Grandac of approximately 40-in. focal length, which produces on 4 x 5 an image almost seven times as large as that made by a lens of standard focal length, requires a bellows extension of only approximately 14 inches.

Particularly good buys in true telephoto lenses are: the Carl Zeiss Tele Tessars f/6.3 in focal lengths of 32cm (13 in.) and 40cm (16 in.), and old-fashioned (pre-war) Dallmeyer telephoto lenses in various focal lengths. These lenses have been discontinued by their manufacturers and can only be purchased second-hand—for somewhere between $50 and $100—if you are lucky enough to find one. A real bargain which sells for somewhere around $75 is the tack-sharp 500mm (20-in.) Bausch & Lomb Tele-Anastigmat f/5.6. It was designed for aerial photography and is now available second-hand as war surplus. For the super-duper telephoto camera, Sterling-Howard of 561 E. Tremont Ave., New York 57, N.Y., sells the Dallmeyer 900mm (36-in.) Tele f/6.3 for the almost unbelievably low price of $89.50. And for the ultimate in "Big Berthas," Air Photo Supply Corp. of 555 E. Tremont Ave., New York 57, N. Y., sells the fabulous Bausch & Lomb 40-in. (1000mm) Telephoto f/8 brand-new for only $149.50. The latter two lenses weigh somewhere between 20 and 30 lbs. each and are normally mounted on a 5 x 7 Graflex box.

Modern Dallmeyer and Schneider telephoto lenses are, of course, considerably more expensive (but readily available in focal lengths up to 60 in.). But since the above-mentioned old-fashioned or war surplus lenses produce pictures that are technically as good as those produced by any "modern" lens, tracking down one of those "rare" lenses seems to me well worth the extra effort to anyone interested in a real "buy."

**2. *Regular long-focus lenses*** require a bellows extension that is somewhat longer than the equivalent of their focal length. Since *modern* lenses of this type with sufficiently long focal lengths are available only in the form of process lenses, which are prohibitively expensive, the aspiring telephotographer must be content with whatever old-fashioned lenses he can dig up at the second-hand counters of large photo stores. Suitable lenses of this kind have been made in the past by Ross, Steinheil, Voigtlander and others. They are usually comparatively slow and have to be stopped down to at least f/12 before they produce sufficiently sharp pictures. On the other hand, they are usually very cheap, costing no more than from $10 to $25.

**3. *The front or rear element*** of a lens of symmetrical construction has approximately twice the focal length of the complete system and can serve

*(Continued on page 68)*


FOR ONLY $79.50

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EXA

**THE EXA** is the greatest value in single lens reflex cameras today! Now, at only $79.50 list, you can own one of the world's most prized cameras! A streamlined version of the Exakta, the Exa provides you with a preview of the complete picture your film will record, just as you see it in the viewfinder! The Exa lens mount is the same as the Exakta lens mount, therefore Telephoto and Wide Angle lenses are quickly interchangeable from Exa to Exakta. Everytime you switch a lens, in effect you create a new camera—and all changes in viewfinding and composition with these lenses are quickly visible on the ground glass. Built-in flash synchronization for flashbulbs and strobe, interchangeable viewfinders (Penta Prism and Rangefinder), Automatic film transport and shutter cocking, Body Release, Automatic and Preset Diaphragm lenses, Critical Magnifier are just a few of the Exa's many features! Exa optional accessories include Extension Tubes, Microscope Adapters, Bellows Extensions, Penta Prism and Split-image Rangefinder, Copying Attachments, and more.

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| 100-mm F/2.8 Meyer Trioplan Telephoto Lens | 59.50 |
| 135-mm F/4.5 Wirgar Telephoto Lens | 39.95 |
| 35-mm F/4.5 Meyer Primagon Wide Angle Lens | 59.50 |

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| 100' Kodak Super-XX | Ea. | 1.00 |
| 100' Kodak Background-X | Ea. | 1.40 |
| 100' Kodak Linograph Pan | Ea. | .98 |
| 100' DuPont Superior I, III | 3 for | 4.75 |
| 200' Kodak Background-X | Ea. | 1.95 |
| 200' DuPont Superior III | Ea. | 2.45 |
| 400' Ansco Color Tungsten | Ea. | 48.45 |
| 400' Ansco Color Reversal Tungsten | Ea. | 48.95 |
| 400' DuPont Superior, I, II, III, | Ea. | 4.95 |
| 1000' Kodak Background-X | Ea. | 9.85 |
| 1000' Kodak Super-XX | Ea. | 11.50 |
| 1000' Kodak #5372 Sound Recording | Ea. | 11.00 |
| 1000' Kodak #5302 Release Positive | Ea. | 9.00 |
| 1000' Kodak #5365 Duplic. Positive | Ea. | 11.00 |
| 1000' DuPont Superior I or II | Ea. | 18.50 |
| Short Ends, Kodak Tri-X, 1958 | Ft. | .02 |

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SW—Single Weight DW—Double Weight
SM—Semi-Matte G—Glossy
LWF—Lightweight, Flexible, ad type

| SIZE | TYPE | QUAN. | PRICE |
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| 1 7-8x2¼ | SWG 2-3-4 | 500 | .99 |
| 7½x7½ | SWG O | 144 | .99 |
| 8x10 | Ad Type LWF 1-3-4-5 | 100 | 1.15 |
| 8x10½ | SWSM O | 100 | 2.10 |
| 10x10 | Ad Type LWF 2-3 | 250 | 2.98 |
| 10x10 | SWSM 1-2-3-4 | 100 | 1.75 |
| 10x10 | SWSM 2-3 | 250 | 2.98 |
| 10x10 | SWG 2-4 | 100 | 1.99 |
| 10x20 | SWSM 1-2 | 100 | 2.95 |
| 10x20 | SWG 1 | 100 | 2.95 |
| 11x14 | Ad Type LWF 2-3 | 100 | 1.99 |
| 18x22 | Ad Type LWF 1-2-3-4 | 100 | 2.79 |

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| | | |
|---|---|---|
| 25' Ansco Supreme Rev. | 25 rolls for | 5.95 |
| 50' Kodak Mag. Plus-X Neg. | Ea. | 1.49 |
| 50' Kodak Mag. Super-X Rev. | 3 for | 3.95 |
| 50' Mag. Linagraph Pan | 3 for | 3.95 |
| 50' Kodak Super-XX Negative | 3 for | 1.95 |
| 100' Kodak Super-XX Neg. | Ea. | 1.50 |
| 100' Kodak Super-XX Rev. | Ea. | 1.95 |
| 100' Kodak Linagraph Ortho | Ea. | .95 |
| 100' Ansco Hypan Reversal | Ea. | 1.95 |
| 200' Kodak Microfile Unperf. | 3 for | 4.95 |
| 200' Bell & Howell Plus-X single perf. | Ea. | 3.45 |
| 400' Kodak Super-XX Negative | Ea. | 2.95 |
| 400' Kodachrome Commercial | Ea. | 14.95 |
| 400' Ansco Color Tungsten Neg. | Ea. | 9.50 |
| 600' Anscochrome Tungsten | Ea. | 24.95 |
| ENDS, Type 5269 Color Print Stock | 1000 ft. | 21.00 |
| EMPTY 50' Mags. U-reload | 10 for | 4.10 |

## CUT FILM

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|---|---|---|
| 4x5 Kodak Commercial | 25 sheets | 2.25 |
| 8x10 Process Pan | 25 sheets | 3.10 |
| 8x10 Ansco Process | 25 sheets | 2.95 |
| 8x10 Ektachrome | 10 sheets | 7.95 |
| 8x10 Dupont X-F Pan | 25 sheets | 4.25 |
| 11x14 Process Pan | 20 sheets | 4.95 |
| 20x24 Ansco Commercial | 24 sheets | 29.50 |
| 20x24 Ansco Comm. Ortho | 10 sheets | 12.95 |

## AERIAL FILM

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|---|---|---|
| 5½"x40' Aero Ektachrome | | 8.75 |
| 7"x18' Aero Ektachrome | | 5.75 |
| 9½"x75' Aero Ektachrome | | 19.95 |
| 5¼"x20' Kodacolor Reversal | | 4.95 |
| Aero Ektachrome Process. Kits. 1½ gal. | | 1.50 |
| Aero Ektachrome Process. Kits. 4½ gal. | | 3.25 |
| 5¼"x20' Super-XX | | 1.25 |
| 5½"x26' Super-XX | | 1.49 |
| 5½"x56' Super-XX, Tri-X | | 2.95 |
| 7"x125' Super-XX, Triple-S Pan | | 6.90 |
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| 6½"x20' Verichrome Pan Film | Ea. | 4.75 |
| 6½"x10' Plenachrome Pan Film | Ea. | 2.65 |
| 8x10 Pan Masking Film | 10 sheets | 3.95 |
| 12x17 Litholoid Ortho | 50 sheets | 11.45 |
| 16½x21¼ Kodak Matrix | 10 Sheets | 17.25 |
| 20x24 Kodaline Process Pan | 24 sheets | 24.95 |
| 24x30 Kodalith Pan | 10 sheets | 14.50 |

### PAPER

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| 6"x125' Linagraph Paper | Ea. | 1.95 |
| 7"x125' Linagraph Paper | Ea. | 2.10 |
| 8"x200' Linagraph Paper | Ea. | 2.95 |
| 8x10 Ektacolor B/W Paper | 25 sheets | 2.95 |
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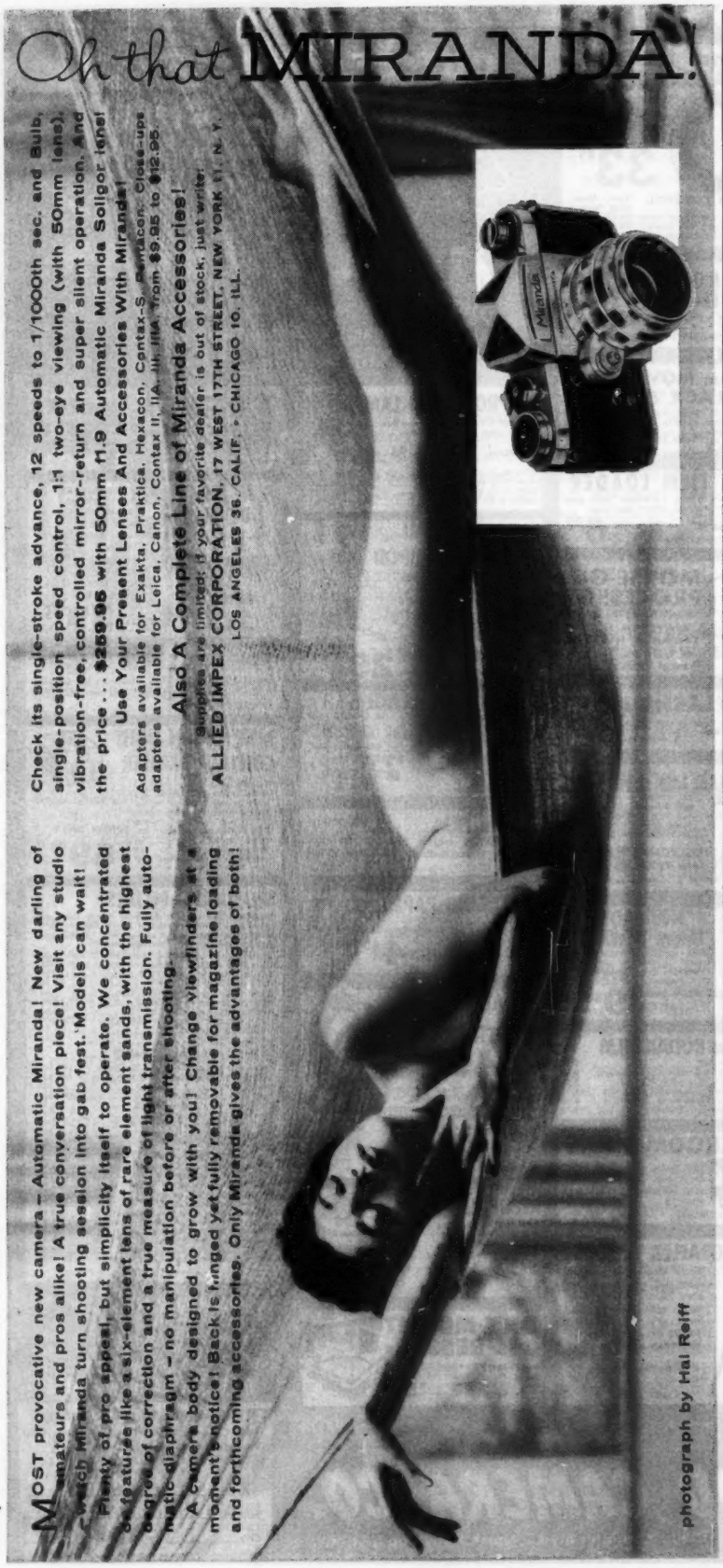



## THE LARGE CAMERA

*(Continued from page 66)*

very well as a substitute for a true telephoto lens. As a matter of fact, some of my best telephoto shots of the New York skyline were made with a lens of this type—the front element of a 21-in. Ross lens with a focal length of 40 inches which must have been at least 50 years old when I bought it in 1944 for $25. The advantages of such a "half lens" are lightness, smallness and low price; the disadvantage, the fact that its speed is very low, although, in conjunction with modern high speed films, such single-element lenses are still fast enough for the majority of telephotographs. Finding this kind of lens might prove rather difficult since they have become quite rare. Prices should range from $5 to $25.

***The shutter.*** Frequently, a particularly desirable telephoto or long-focus lens is found mounted in a "barrel" without a shutter. This is no calamity since, with the exception of the 36-in. and 40-in. "Big Bertha," all the previously mentioned lenses are small enough to be mounted by any experienced camera repairman at reasonable cost in available modern shutters. The "Big Bertha" type lenses are generally mounted on a 5 x 7-in. Graflex box, utilizing its focal-plane shutter.

### The first step

If you seriously intend to go in for large camera telephotography—which, incidentally, is one of the least explored and most rewarding fields in the entire realm of photography—the first and *most important step* is the acquisition of a suitable lens. In this respect, you should consider the following: A true telephoto lens, because of the comparatively short extension which it requires, can usually be mounted directly on any 4 x 5 camera equipped with double or triple bellows extension without the aid of special tubes or box-like devices, and should for this reason be the prime objective of your search. Neither the "speed" nor the age of a long-focus lens is of any importance since a 4 x 5 tele camera, regardless of the type of lens with which it *is* equipped, must *always* be tripod mounted in order to prevent blur-causing vibration. Outdoors, in bright daylight, using high speed panchromatic film, one can still shoot 1/100 sec. at f/16. Besides, many of the best telephoto subjects are static, permitting, if necessary, even time exposures. As a matter of fact, *slow* lenses are often preferable since they are always smaller, lighter, less expensive to acquire, and freqently even sharper than fast ones. The one vital requirement is that the lens can produce tack-sharp pictures from f/12 or f/16 on down. If you can find this kind of lens you are in business. How to construct your telephoto camera around it will be the subject of next month's column.

—THE END

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Case .....$5.00 List $54.50!

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With Automatic Splicer
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- 400-Foot Capacity
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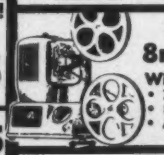

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- 750-Watt Illumination
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With f2 Auto Biotar & Light-Meter!
- MXF-Synch.

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- MAGAZINE LOADING

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With f1.4 Nikkor Lens
- Speeds 1 to 1/1000 Seconds
- Brand New, Discontinued
- No Longer Imported in U. S.

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Address _____

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# OLYMPUS

Before you buy any 35mm camera—at any price—you must see the beautiful Olympus. You must hold it, feel it, use it. The Olympus Camera is a masterpiece.

OLYMPUS 35-S

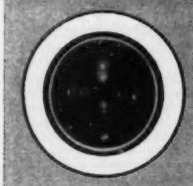
ONLY $79.95

with 5-element fully coated f 2.8 Zuiko lens

Here is the finest value in 35mm cameras! Has Luminous Golden Frame Finder with Automatic Parallax Correction; MFX sync shutter to 1/500 sec; Single-window view range-finder; Advanced Dual Movement LVS system; All scale settings visible from top; Single Stroke Rapid Film Transport which cocks shutter, counts exposure, prevents accidental shooting; Exposure Calculator Dial on camera back; Plus dozens of other exclusive OLYMPUS features!

**OLYMPUS 35-S II** $114.50
Identical to above, with Self-Timer and 7 element fully coated f 1.8 Zuiko lens.

**OLYMPUS WIDE-S** $124.50
Shown above, with Wide-Angle, 8 element fully coated f 2 Zuiko lens.



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## NEW! OLYMPUS ECONOMY MODELS

Olympus Economy Models embody a Self-Timer, MXV sync shutter to 1/500 sec., Rapid Film Transport, Fold-down Rewind Lever, click stops on diaphragm.

**OLYMPUS 35** $59.95
With super-sharp f/3.5 Zuiko Lens, Coupled rangefinder, Single-window range/viewfinder.

**OLYMPUS WIDE-E** $59.95
With built-in Exposure Meter; Wide Angle f/3.5 Zuiko Lens with extreme depth of focus requiring no rangefinder; has Luminous Golden Frame Viewfinder.

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## LARGE CAMERA ADOPTS TINY CAR

Once I had a perfectly serviceable 1907 Hupmobile. It carried wife, self and equipment through many miles of action from my studio in Manhattan. Then it happened, the inevitable assignment to photograph a series on sports cars traveling on a super-highway. The next logical step was to find a method of securing the camera to a tripod that would mount in the car. After much looking, asking, and checking the Triangle J Autopod, (as shown, $89.50. Jewett Mfg. Co., San Gabriel, Calif.) was suggested. With the superbly built and designed Autopod installed in my car the assignment was completed with ease.

The Autopod makes photography from your car, either motion picture or still, very simple, as your camera and car are almost welded together as a unit. You have in effect, a rubber cushioned, easily maneuverable camera support. Delivering the finished prints I looked at my bright new Autopod, then my old car, then my bright new Autopod, and I now have a bight new Autopod and a bright new Goggomobil. Incidentally, the Goggomobil gets about fifty miles to the gallon while the Triangle J Autopod requires none.—MAYNARD FRANK WOLFE

**Without batting an eye: petite girl wields grand 4 x 5 in stalwart Goggomobil. Autopod attaches to dash, floor.**

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## 35mm to 2¼ x 3¼ MAGNALUX DOUBLE CONDENSER ENLARGER

Will handle all size negatives from 35mm to 2¼x3¼. Has double condenser system (plano-convex); rack and pinion focusing; silvered parabolic reflector; variable light source; dustless negative carrier. Will accept Leica lenses. Complete as described $29.95, shipped express. With 3½ f4.5 coated lens 39.75.

BRAND NEW **29.95**

Enlarging bulb 59c.

### 35mm MAGNALUX '35'

Condenser enlarger; handles 35mm and Bantam. BRAND-NEW **11.88**

50mm f4.5 coated Amitar 7.95

1.50 shipping

### 4x5 MAGNALUX

Handles all negs. up to 4x5. Condensers. Cool, even illumination. BRAND-NEW **54.95**

5¼" f4.5 Amitar 14.95

## EXCLUSIVES!

IMPORTED BY STERLING-HOWARD

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EASY BUDGET PAYMENTS

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SHIP YOUR EQUIPMENT TODAY

NEW GERMAN IMPORT SENSATIONAL LOW PRICE!

## ASTRAFLEX '1000'

FULLY AUTOMATIC f1.9-SPEED ASTRA

Single lens reflex; interchangeable lenses and finders; internal coupling; synchro speeds; focal plane shutter 1 sec to 1/1000. Case 9.95 (sold with case only). Rangefinder prism 9.95. Leaflet available.

BRAND-NEW **119.50**

1.50 post & handling

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With f2.8 pre-set semi-automatic Schacht Travenar .....69.95

FIRST SHIPMENT COMPLETE SELL OUT

NEW SHIPMENT

## MARK S-2

f2 COATED LENS

Completely Automatic Operation. 7-element amber coated lens; delayed action timer; SYNCHRO-RAPID shutter; for strobe and flash. Speeds 1 sec. to 1/300. Single flip rapid advance lever, rapid rewind. Easi "drop-in" loading.

BRAND NEW **69.95**

Metal-rimmed case 1.25 post & handling .....9.95

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Ajres IIIL f1.9 .....69.50

Minolta Super A, f2 .....95.00

Above Brand-New—Add 1.25 post & handling

NEWEST M-X MODEL

## AUTO-TARON

f2.8 COATED LENS

BRAND NEW **39.95**

Case 6.50 1.25 post & handling

USED 35mm CAMERAS

Argus C-3 f3.5, coupled rangefinder.... 19.95
Bolsey B-2, f3.2 ..... 17.95
Contaflex f2.8 Zeiss Tessar NEW..... 95.00
Contax IIa f2 Sonnar.....109.50
Add post & handling

## ELECTRIC EYE

EXPOSURE METER FOR ALL 8mm CAMERAS STANDARD 'D' MOUNT

Use indoors or out. ASA 6 to 200; and with lenses with variable speeds from f1.0 to f32. Specify camera when ordering.

BRAND NEW **9.68**

32c postage and handling

USED EXPOSURE METERS

G.E. PR-1 ..... 9.95
G.E. Guardian ..... 19.50
Weston Master II ..... 9.95
Weston Master III .....22.00
Add post & handling

GENUINE PRISM TYPE

## 16x50 BINOCULARS

Powerful hand-held; individual eyepiece focusing. Hinged bridge with diopter scale. Coated Optics. FREE CASE & STRAPS!

BRAND NEW **24.50**

Add 10% tax 1.25 post & handling

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7x50 Individual focus .....18.95
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ABOVE BRAND-NEW—FREE CASE & STRAP

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## 2¼ x 2¼ AMIFLEX

f3.5 COATED LENS

BRAND NEW **19.95**

Case 4.95
Flashgun 4.95
1.50 post & handling

USED REFLEX SPECIALS

Kodak Reflex II, f3.5.....28.50
Yashicamat f3.5 M-X.....44.95
Minolta Autocord f3.5 M-X..48.75
Graflex Super D, f4.5
Ektar .....96.50
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## COMPANION TRIPOD

Pocket size—slips easily into gadget bag. Extends to 51 inches—closes to compact 10 inches. Pan head with handle—all tilts; elevator section; eight sections in each leg. Weighs only 25 ounces. Complete with zippered leather carrying case.

BRAND NEW **7.95**

65c postage & handling

TRIPOD SPECIALS

Bilora-Stabilo ..... 2.49
Centerpole Tripod ..... 6.95
Testrite .....15.95
Quick-Set Travelite ...15.50
Add post & handling

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## 135mm f3.5 TELE-ASTRA

CLICK-STOP DIAPHRAGM

FOR NIKON CAMERAS (LEICA M-3) Coated optics; depth of field scale. BRAND NEW **57.00**

FOR LEICA CAMERAS .....48.95
FOR EXAKTA, PRAKTICA, PENTACON .....33.75
85c post & handling

10% DOWN—TRADES ACCEPTED

## 2¼ x 2¼ REFLEX 66

f3.5 coated Amitar lens. Built-in SYNCHRO. Body shutter release; interchangeable lenses. Comparable list $135.00.

BRAND NEW **69.50**

Case 8.95 Flashgun 8.95
1.80 postage & handling

USED REFLEX SPECIALS

Exakta I, f3.5 Tessar..... 48.50
Exakta VX, f2 Biotar, M-X.....126.00
Praktina F-X, f2.8 Tessar.....136.50
Retina Reflex f2 Xenar, NEW.....133.95
Add post & handling

## 1½" f1.9 CINE AMITAR

8mm MOVIE TELE AT REDUCED PRICE

Hi-Speed, fits all Cameras. Coated, focusing mount. Click-stops. Specify camera.

BRAND NEW **11.88**

Case 75c
65c post & handling

7.5mm f3.4 WIDE-ANGLE ..29.95

Add 2.95 for Bell & Howell

USED MOVIE SPECIALS

Kodak Brownie f2.7 .....14.95
De Jur Fadematic f2.5 mag. .....59.75
Revere 77 f2.8 Turret mag. .....49.00
Cine Kodak Reliant, f1.9 .....41.95
Add post & handling

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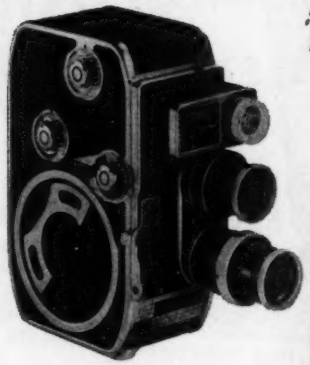
NEW YORK 57, N. Y.



**perfect movies**

8mm

**BOLEX**

20/20

**compumatic**

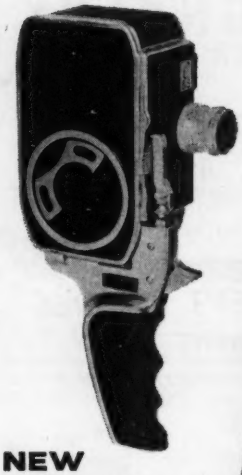
First time ever! Electric eye works **behind** lens for perfect exposure of exact area you photograph! Use with **all** lenses . . . **all** camera speeds and Variable Shutter settings . . . **all** films from 10 A.S.A. to 80 A.S.A. Easy! Only 2½ seconds to set! With new, fast Lytar ½" F:1.8 F.M. lens, only

**$169.50**

BOLEX PUT THE "ELECTRIC EYE"

WHERE IT BELONGS
. . . BEHIND THE LENS

With Yvar 13mm F:1.9 normal and Yvar 36mm F:2.8 telephoto lenses as shown, $232.00.



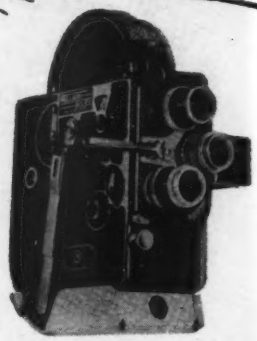
**NEW BOLEX**

C-8S 8mm

**"SCENE STEALER"**

More than twenty dollars lower than any other Bolex model . . . yet features famed Bolex precision . . . plus new simplicity of pre-set speed and pre-focused lens. Takes all D-mount lenses for special effects. (Declic handle optional at $16.00.) With Lytar ½" F:2.5 FF lens.

**$69.50**



**NEW BOLEX**

**H-8T**

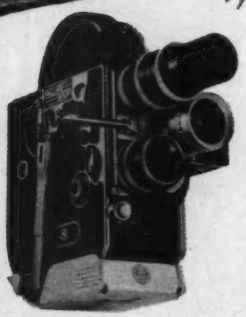
Only 8mm movie camera of its kind! Built on 16 mm body with all "pro" features. A whopping 100-foot film load, three-lens turret, forward and backward winding, automatic film threading. New "Preview-Finder" for zoom-type viewing with four different lenses. Provision for extreme wide angle and wide screen lenses. With new, fast Lytar ½" F:1.8 lens, only

**$250.00**

With additional Switar 5.5mm F:1.8 extreme wide angle and Yvar 36 mm F:2.8 telephoto lenses, as shown, $422.00. Camera base optional at extra cost.

# The Choice for 365

**Leave this where your wife can find it!**



## NEW BOLEX H-16T 16mm Turret Model

Most precise 16mm mechanism made! Three-lens turret . . . speeds from 8 to 64 fps . . . forward and backward winding . . . footage and frame counters . . . time exposure . . . all "pro" features. **Plus** new "Preview-Finder" for zoom-type viewing for four different lenses. Provision for extreme wide angle and wide screen lenses. With new, fast Lytar 25mm F:1.8 lens, only

**$250.00**

With additional Yvar 75 mm F:2.8 telephoto and Switar 16mm F:1.8 wide angle lenses as shown, $419.00. Camera base optional at extra cost.

## BOLEX 16mm H-16 REFLEX

The best there is — at amazing low price! Focus and view **through the lens you shoot with** . . . see exactly how you're getting every scene . . . never a parallax problem! Every feature for sports, lab, advanced amateur and commercial work, including complete speed range, forward and backward winding, automatic film threading, all "pro" devices. With new, fast Lytar 25mm F:1.8 lens, only

**$360.00**

With additional Switar 50 mm F:1.4 telephoto and Switar 16mm F:1.8 wide angle lenses as shown, $629.00.

## NEW BOLEX H-16M 16mm SINGLE LENS

All famed Bolex precision extras in a new and exciting single lens model! Takes all C-mount lenses for every special effect, includes speeds from 8 to 64 fps, forward and backward winding, time exposures, single frame and continuous run settings, automatic film threading, all other "pro" features. With new, fast Lytar 25mm F:1.8 lens, only

**$200.00**

Camera base optional at extra cost.

Prices include Federal Excise Tax where applicable.

# Christmases a year!

**BOLEX** by **PAILLARD**—fine Swiss mechanisms since 1814 including **HERMES** office and portable typewriters

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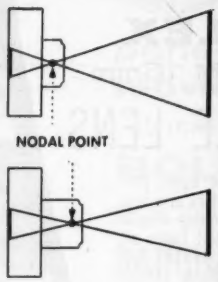
# Couldn't be done?

## New Viewfinder Principle Does It!

It took Konica to merge Single Lens Reflex Viewing Accuracy with the Handling Speed of the Rangefinder 35 mm!




**As lens focuses on closer objects, its angle of view decreases, because its "Nodal Point" moves away from film. This changing angle of view is compensated for, for the first time, only by KONICA IIIA.**

FIRST new concept in viewfinder design actually sees what the film sees . . . no more, no less! A revolution in 35mm rangefinder-cameras! NOW you accurately compose and frame (even allowing for film area cut off by the slide mount!), yet get famous Konica brilliant, speedy rangefinder focusing! This unique concept is combined with Konica IIIA's 1:1 image that permits two-eye viewing, and luminous floating frame that entirely eliminates parallax while it contracts and expands to accurately frame the field. No other camera does this—regardless of price!

Add the startling 50mm f1.8 Hexanon that is alone worth the price of the camera, plus exclusively positioned rapid advance lever, Seikosha 1 sec. to 1/500th Light-Value shutter and built-in self-timer . . . and you have a truly remarkable camera! Insist on the frame that expands and contracts—no other camera has it! For a liberal trade-in offer, write for the name of your nearest dealer. Tell us what you want to trade.

$129.95 plus case

## the startling new KONICA IIIA

KONICA CAMERA COMPANY, 74 WEST CHELTEN AVE., PHILADELPHIA 44, PA.
IN CANADA: McQueen Sales Co., 1843 W. 4 Ave., Vancouver 9, B. C. IN VENEZUELA: Seijiro Yazawa, Apartado 3179, Caracas
*Mfg. by KONISHIROKU PHOTO IND. CO., LTD., TOKYO*

# 1959 CAMERA BUYING GUIDE

**210 CAMERAS**—divided into five categories for easy reference: 35mm; Reflex (2¼ x 2¼ and smaller); Folding Roll Film; Ultraminiature; Miscellaneous. We have excluded cameras no longer generally available on the used camera market, and those which originally sold for less than $49. (We had planned to draw the line at $50, but the practice of many manufacturers of marketing $50 items for $49.50 and $49.95 led us to adopt the lower figure in order to include them.) Only cameras introduced prior to January 1, 1957 are listed here. Newer models are included in camera charts elsewhere in the magazine. . .

**IDENTIFICATION POINTS**—dates of manufacture, serial numbers, shutter speeds, lenses—special features which distinguish one model from another. . .

**PRICES**—new and latest used selling price range in 1958, where available. . .

**FLASH SYNC**—if a camera has it, what type; if it's a non-sync camera, whether or not you should add sync; what type of sync to add; what it costs. . .

**EDITOR'S NOTE**—the Camera Buying Guide is the most authoritative single reference for buyers of used cameras ever published, compiled by N. M. Grossman, Managing Editor of the Photo Dealer Directory. Valuable flash sync facts were supplied by A. C. Muller, camera repairman. Although this list is as correct and up to date as possible, MODERN assumes no responsibility for its accuracy.

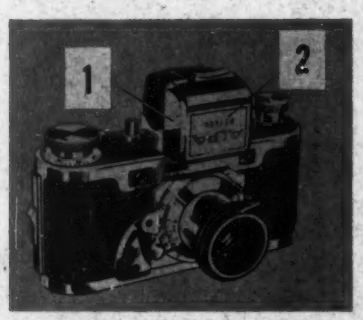
# 35MM CAMERAS, ALL TYPES

THE COMPACT, VERSATILE 35mm has won a host of admirers in recent years—and rightly so. Its small size makes it handily portable, and a wide range of shutter speed-aperture settings suit it to a variety of subject matter. New fast, precision lenses (in combination with new superfast films) make it possible to shoot in dim light situations which would formerly have had the photographer digging in his gadget bag for flashbulbs. New automatic, time saving features—coupled range-viewfinder, automatic film stop, rapid wind, built-in, coupled exposure meter, LVS—add to its versatility. A broad selection of new and improved 35mm materials, in black-and-white and color, have helped to widen its horizons. As each new 35mm model reaches the market, a number of excellent older ones become available to the discriminating used camera buyer.

## ALPA

**Manufacturer:** Pignons S.A., Ballaigues, Switzerland.
**Importer:** Karl Heitz, Inc., 480 Lexington Ave., New York 17, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films. (Also available in single frame models at extra cost.)
**Lens:** All models incorporate bayonet lens mount for interchangeability of lenses. Standard lenses are factory coated, with click stop diaphragms. For Alpa Reflex and Alpa Prisma Reflex: 50mm f/2.8 Alpa Alfinon; 50mm f/1.8 Angenieux Alitar; or 50mm f/1.9 Schneider Xenon. For Alpa 4, 5 and 7: 50mm f/3.5 Alpa Alorar; 50mm f/2.8 Alpa Alfinon; 50mm f/1.9 Schneider Xenon; 50mm f/1.8 Kern Switar Apochromat; or 40mm f/3.5 Alpa Makro-Kilar. Latest lenses have preset or automatic diaphragm. For the Alpa Reflex and Alpa Prisma Reflex, the importer supplied accessory lenses in focal lengths from 35mm to 300mm; for the Alpa 4, 5 and 7, lenses from 28mm to 3750mm are available.
**Shutter:** All models have focal-plane shutter, 1-1/1000, B, T. Alpa 6 and 7 have self timer.

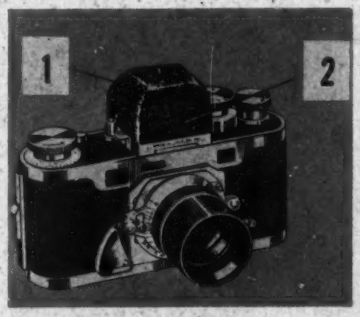
### ALPA REFLEX




**Introduced:** 1947 **Discontinued:** 1952
**Flash Sync:** For FP type bulbs.
**Special Features:** Single-lens reflex focusing, plus split-image type rangefinder which couples to the 50mm lenses; double exposure prevention; removable back.
**Last List Price:** With 50mm f/2.8 Alfinon, $259; with 50mm f/1.8 Alitar or 50mm f/1.9 Xenon, $357.
**Used Selling Price:** With f/1.9 Xenon, $135-$160.
**Special Identification Points:** 1. Collapsible focusing hood; 2. "Alpa Reflex" engraved on front of focusing hood.

### ALPA PRISMA REFLEX

**Introduced:** 1950 **Discontinued:** 1952
**Flash Sync:** Same as Alpa Reflex.
**Special Features:** Built-in roof prism providing unreversed ground glass image. Other features same as Alpa Reflex.




**Last List Price:** With 50mm f/2.8 Alfinon, $329; with 50mm f/1.8 Alitar or 50mm f/1.9 Xenon, $427.
**Used Selling Price:** With f/1.9 Xenon, $190-$210.
**Special Identification Points:** 1. Built-in roof prism; 2. "Alpa Prisma Reflex" engraved on front of roof prism.

### ALPA 4

**Introduced:** 1952 (current model).
**Flash Sync:** For FP type bulbs at all speeds; X sync up to 1/50 sec.
**Special Features:** Single-lens reflex focusing; single knob winds shutter and advances film in half turn; double exposure prevention; reflex mirror returns to viewing position immediately after exposure; accessory clip; removable back.
**Last List Price:** With 50mm f/3.5 Alorar, $199; with 50mm f/2.8 Alfinon preset, $249; with 40mm f/3.5 Makro-Kilar E, $259; with 50mm f/1.9 Xenon automatic diaphragm, $309; with 50mm f/1.9 Xenon preset, $269; with 50mm f/1.8 Kern Switar Apochromat automatic diaphragm $359.
**Used Selling Price:** With f/2.8 Alfinon, $138-$155.

**Special Identification Points:** 1. "Mod. 4" engraved on housing above lens; 2. Differentiated from Alpa 5, 6 and 7 by having reversed ground glass image; 3. No rangefinder.

### ALPA 5

**Introduced:** 1952 (current model).
**Flash Sync:** Same as Alpa 4.
**Special Features:** Built-in prism providing unreversed ground glass image; 45° viewing angle. Other features same as Alpa 4.
**Last List Price:** With 50mm f/3.5 Alorar, $279; with 50mm f/2.8 Alfinon preset, $139; with 40mm f/2.8 Makro-Kilar D preset, $329; with 50mm f/1.9 Xenon automatic diaphragm, $379; with 50mm f/1.9 Xenon preset, $339; with 50mm f/1.8 Kern Switar Apochromat automatic diaphragm, $429.
**Used Selling Price:** With f/1.9 Xenon, $230-$250.
**Special Identification Points:** 1. "Mod. 5" engraved on housing above lens; 2. Differentiated from Alpa 4 by having built-in prism; 3. Differentiated from Alpa 6 and 7 by not having self timer or rangefinder.

### ALPA 7

**Introduced:** 1952 (current model).
**Flash Sync:** Same as Alpa 4.
**Special Features:** Separate, built-in coincidence type rangefinder which couples to the 50mm lenses; multifocal viewfinder for 50, 90, and 135mm lenses; built-in self timer. Other features same as Alpa 5.
**Last List Price:** With 50mm f/3.5 Alorar, $319; with 50mm f/2.8 Al-

finon preset, $359; with 40mm f/2.8 Makro-Kilar E preset, $389; with 50mm f/1.9 Xenon automatic diaphragm, $419; with 50mm f/1.9 Xenon preset, $379; with 50mm f/1.8 Kern Switar Apochromat automatic diaphragm, $469.
**Used Selling Price:** With f/1.8 Switar, $260-$285.
**Special Identification Points:** 1. "Mod. 7" engraved on housing above lens; 2. Self timer; 3. Separate, coincidence type rangefinder; 4. Multifocal viewfinder.

## ANSCO

**Manufacturer:** Ansco, 40 Charles St., Binghamton, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films.

### ANSCO KAROMAT f/2

**Introduced:** 1951 **Discontinued:** 1955
**Lens:** 50mm f/2. Until 1952, came with either Rodenstock Heligon or Schneider Xenon; thereafter, came only with Xenon.
**Shutter:** Synchro-Compur, 1-1/500. Until 1952, shutter had both B & T; thereafter, came with B setting only.
**Flash Sync:** MX.

**Special Features:** Coupled split-image type rangefinder; combined window for view and rangefinder; rapid film advance lever automatically cocks shutter; double exposure prevention; built-in depth of field scale in last version only (first version had none; second version had calculator instead of scale); film type indicator dial (in second and last versions only); zone focusing setting; body shutter release; built-in accessory shoe.
**Last List Price:** $125.
**Used Selling Price:** With f/2 Xenon, $60-$85.
**Special Identification Points:** 1. Heligon or Xenon f/2 lens; 2. First version had hinged film advance lever; second and last versions had round lever; 3. Built-in depth of field scale in last version only; 4. Until 1952, had bar in front for Time shutter setting; thereafter, came without Time setting.

### ANSCO KAROMAT f/2.8

**Introduced:** 1953 **Discontinued:** 1956
**Lens:** 50mm f/2.8 Schneider Xenar.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** Same as Karomat f/2.
**Special Features:** Same as last version of Karomat f/2.
**Last List Price:** $112.50.
**Used Selling Price:** $48-$60.
**Special Identification Points:** 1. Xenar f/2.8 lens.

### ANSCO SUPER MEMAR

**Introduced:** 1955 **Discontinued:** 1956
**Lens:** 45mm f/3.5 Agfa Apotar or 50mm f/2 Solagon (introduced in 1956).
**Shutter:** F/3.5 has Prontor SVS, 1-1/300, B, ST; f/2 has Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Coupled rangefinder with combined view and rangefinder eyepiece; film transport coupled to shutter cocking; rapid film advance lever; double exposure prevention; zone focusing settings; built-in depth of field scale; film type indicator; accessory shoe.
**Last List Price:** With 45mm f/3.5 Apotar, $69.50; with 50mm f/2 Solagon, $124.50.
**Used Selling Price:** With f/3.5 Apotar, $35-$47.
**Special Identification Points:** 1. Coupled rangefinder; 2. Differentiated from 1956 version by not having LVS shutter.

### ANSCO SUPER MEMAR LVS

**Note:** This camera is similar to the 1955 version, but has Light Value Scale cross coupled to lens diaphragm.
**Introduced:** 1956 (current model).
**Last List Price:** With 45mm f/3.5 Apotar, $74.50; with 50mm f/2 Solagon, $124.50.
**Used Selling Price:** With f/3.5 Apotar, $40-$52.

### ANSCO REGENT

**Introduced:** 1953 **Discontinued:** 1956
**Lens:** 50mm f/3.5. Early version has Agfa Apotar; later version has Agfa Solinar.
**Shutter:** Early version has Prontor SV, 1-1/300, B, ST; later version has Prontor SVS with same speeds.
**Flash Sync:** MX.

**Special Features:** Double exposure prevention; built-in depth of field scale; zone focusing setting; film type indicator; accessory clip; body shutter release.
**Last List Price:** $54.50.
**Used Selling Price:** $29-$38.
**Special Identification Points:** 1. Early version comes with Apotar lens; later version comes with Solinar; 2. Prontor shutter with speeds up to only 1/300 sec.; 3. No rangefinder.

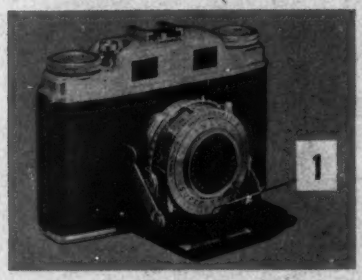
### ANSCO SUPER REGENT

**Introduced:** 1954 **Discontinued:** 1955
**Lens:** 50mm f/3.5 Agfa Solinar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Coupled coincidence type rangefinder with combined view and rangefinder eyepiece. Other features same as Regent.
**Last List Price:** $87.50.
**Selling Price:** $45-$56.
**Special Identification Points:** 1. Coupled rangefinder; 2. Differentiated from later Super Regent LVS by not having Light Value Scale.

### ANSCO SUPER REGENT LVS

**Note:** This camera is the same as the earlier Super Regent, but has a shutter incorporating a Light Value Scale cross coupled to the lens diaphragm, and click stops on the dia-

phragm and shutter speed rings.
**Introduced:** 1955 (current model).
**Last List Price:** $89.50.
**Used Selling Price:** $37-$50.




**Special Identification Points:** 1. Light Value Scale.

## ARGUS

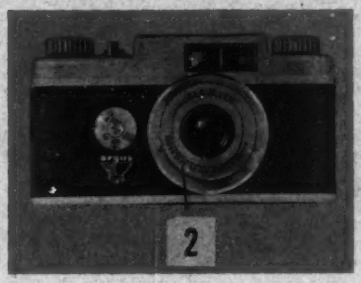
**Manufacturer:** Argus Cameras, Div. of Sylvania Electric Products Inc., 405 Fourth St., Ann Arbor, Mich.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures on standard cartridge films.

### ARGUS C3

**Introduced:** 1939 (current model).
**Lens:** Interchangeable. Standard lens is 50mm f/3.5 Cintar.
**Shutter:** Behind-lens, 1/10-1/300, B.
**Flash Sync:** Most have F at all speeds, M up to 1/30. After Jan. 1954 (serial numbers above 964,482) changed to F up to 1/100, M to 1/25, X at all speeds.
**Special Features:** Coupled rangefinder; threaded lens mount for interchanging lenses; body shutter release; color coded exposure and distance settings (in later models); 1958 version has built-in Series 5 filter holder, larger shutter release and redesigned shutter cocking lever.
**Last List Price:** With case and flash, $69.50.
**Used Selling Price:** With case and flash, $26-$38.
**Serial Numbers:** (Pre-war) 0310001 to 03690326; (current) 10,699 to above 1,736,925; 1921800000 to above 1921803726.
**Special Identification Points:** 1. First C model with interchangeable lens mount; 2. Factory installed sync; 3. Box shape with squared-off edges; 4. Later models have built-in accessory shoe; 5. 1958 version has built-in filter holder, larger shutter release and new shutter cocking lever.

### ARGUS 21

**Introduced:** 1947 **Discontinued:** 1952
**Lens:** 50mm f/3.5 Cintar.
**Shutter:** Behind-lens, 1/10-1/200, B.
**Flash Sync:** MF (all speeds).
**Special Features:** Double exposure prevention; gun-sight type viewfinder; full focusing mount; body shutter release; accessory shoe; re-




movable lens, for use on enlarger.
**Last List Price:** $59.50.
**Used Selling Price:** $19-$29.
**Serial Numbers:** 9,218 to 64,785.
**Special Identification Points:** 1. No built-in rangefinder; 2. Removable f/3.5 instead of permanently mounted f/2.8 lens as in C4.

### ARGUS C4

**Introduced:** 1951 (current model).
**Lens:** 50mm f/2.8 Cintar.
**Shutter:** Behind-lens, 1/10, 1/300, B.
**Flash Sync:** Early models same as Model 21. After June 1954 (serial numbers above 321,000) changed to F up to 1/100, M and X at all speeds.
**Special Features:** Coupled rangefinder; all metal body; double exposure prevention; body shutter release; single eyepiece for viewfinder

and rangefinder; color coded exposure and distance settings (in latest model only).
**Note:** The Model C4 can be adapted for interchanging lenses; accessory lenses are available.
**Last List rice:** $84.50.
**Used Selling Price:** $44-$59.
**Serial Numbers:** 230,000 to above 530,400.
**Special Identification Points:** 1. Built-in rangefinder; 2. F/2.8 lens.

### ARGUS C44

**Introduced:** 1956 (current model).
**Lens:** Interchangeable. Standard lens is 50mm f/2.8 Cintagon.
**Shutter:** Behind-the-lens. Earlier version has 1/10-1/300, B; 1958 version has 1/8-1/300, B.
**Flash Sync:** Same as late models of C4.
**Special Features:** Bayonet type lens mount for interchanging lenses (Cintagon 100mm f/3.5 telephoto, 35mm f/4.5 wide-angle and 50mm f/1.9 accessory lenses available). 1958 version has thumb action rapid

wind and rapid rewind. Other features same as Model C4.
**Last List Price:** $99.95.
**Used Selling Price:** $55-$72.
**Serial Numbers:** 0044000001 to above 44082900.
**Special Identification Points:** 1. "Argus C-Forty Four" engraved on front of rangefinder dial; 2. Differentiated from Argus C4 by having bayonet type lens mount for interchangeability of lenses.

## CANON

**Manufacturer:** Canon Camera Co., Inc., Tokyo, Japan.
**Importer:** Canon Camera Co., Inc., 550 Fifth Ave., New York 36, N. Y.
The listing *below* covers only those models brought in by the importers. Earlier models brought in through other channels may still be in circulation.
**Film size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films. They also accept special Canon cassettes for loading bulk film.
**Lens:** All models described *below* incorporate threaded lens mount (similar to Leica mount) for interchangeability of lenses. Standard lenses on older models were factory coated 50mm f/3.5, f/2 or f/1.9 Serenar. Standard lenses on current models are factory coated 50mm f/3.5, f/1.8, f/1.5 or f/1.2 Canon. Accessory lenses are available in focal lengths from 28 to 800mm.
**Flash Sync:** Either Type 1 (X sync), or Type 2 (with FP bulbs) can be

added to any non-sync Canon. See *page BG-7* for details.
**Shutter:** All models have cloth focal-plane shutter.

## CANON II-B

**Introduced:** 1948 **Discontinued:** 1950
**Shutter Speeds:** 1-1/500, B.
**Flash Sync: None.** See note *above*.
**Special Features:** Coupled coincidence type rangefinder; single eyepiece for range-viewfinder, with three degrees of magnification; film transport coupled to shutter winding; automatic exposure counter;

body shutter release; accessory shoe; built-in depth of field scale.
**Last List Price:** Not available.
**Used Selling Price:** With f/1.9 Serenar, $85-$110.
**Special Identification Points:** 1. Top shutter speed of only 1/500 sec.

## CANON III

**Note:** This model is the same as Model II-B, but has top shutter speed of 1/1000, B, T.
**Introduced:** 1950 **Discontinued:** 1952
**Last List Price:** Not available.
**Used Selling Price:** Not Available.
**Special Identification Points:** 1. Top shutter speed of 1/1000 sec. instead of only 1/500 as in Model II-B; 2. No built-in sync.

## CANON IV

**Note:** This model is the same as Model III except for flash sync.

**Introduced:** 1950 **Discontinued:** 1952
**Flash Sync:** For FP bulbs at 1/100 and faster. Also for Class M bulbs with special Canon flashgun and timing unit.
**Last List Price:** Not available.
**Used Selling Price:** With f/1.8 Serenar, $124-$139.
**Special Identification Points:** 1. Rail on side of camera for attaching flash unit; 2. Film winding knob lacks film type indicator.

## CANON III-A

**Note:** This model is similar to Model IV except for flash sync. A film speed indicator is built into the film winding knob. Standard lens is 50mm f/3.5 Serenar, or 50mm f/1.8 Serenar (in rigid mount with click stops).
**Introduced:** 1952 **Discontinued:** 1953
**Flash Sync:** None. See note, beginning of Canon section.
**Last List Price:** Not available.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. Film speed indicator; 2. No built-in sync connection.

## CANON IV-S

**Note:** This model is the same as Model IV, but has a film speed indicator built into the film winding knob. Standard lens is 50mm f/3.5 Serenar, or 50mm f/1.8 Serenar (in rigid mount with click stops).
**Note:** This camera was introduced briefly in the United States in 1952. Manufacture of the IV-S in Japan was discontinued in 1951.
**Flash Sync:** Same as Model IV. Does not have X sync as in later Model IV-S2.
**Last List Price:** Not available.
**Used Selling Price:** With f/1.8 Serenar, $126-$148.

**Special Identification Points:** 1. Differentiated from Canon IV by having built-in film type indicator; 2. No lock on slow speed dial.

## CANON IV-S2

**Note:** This model is the same as Model IV-S except for flash sync and lock for the slow speed dial.
**Introduced:** 1952 **Discontinued:** 1956
**Flash Sync:** For FP type bulbs at 1/100 and faster. Also M bulbs with special Canon flashgun and timing unit. X sync at slow speeds.
**Last List Price:** With 50mm f/1.8 Canon, $284; with 50mm f/1.5 Canon, $327.
**Used Selling Price:** With f/1.8 Canon, $145-$165; with f/3.5 Canon, $115-$140.
**Special Identification Points:** 1. Lock on slow speed dial.

## CANON II-D

**Note:** This model is similar to Model III-A, but has top shutter speed of only 1/500 sec. instead of 1/1000.
**Introduced:** 1952 (current model).
**Flash Sync:** None. See note, beginning of Canon section.
**Last List Price:** With 50mm lens: f/3.5 Canon, $166; f/1.8 Canon, $230; f/1.5 Canon, $277.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. Top shutter speed of only 1/500 sec.; 2. Built-in film speed indicator.

## CANON II-F

**Note:** This model is similar to Model IV-S2 except for flash sync and top shutter speed of only 1/500 instead of 1/1000.
**Introduced:** 1952 **Discontinued:** 1955
**Flash Sync:** For FP bulbs at 1/100 and faster shutter speeds. No X sync.
**Last List Price:** Not available.
**Used Selling Price:** With f/3.5 Serenar, $75-105.
**Special Identification Points:** 1. Top shutter speed of only 1/500 sec. instead of 1/1000 as in Model IV-S2.

## CANON II-S

**Note:** This model is the same as Model IV-S2 in both quality and function except the Model II-S has shutter speeds up to 1/500 sec. only.
**Introduced:** 1954 **Discontinued:** 1956

**Flash Sync:** Same as Model IV-S2.
**Last List Price:** With 50mm f/1.8 Canon, $264.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. Top shutter speed of only 1/500 sec. instead of 1/1000 as in Model IV-S2; 2. Sync for high and slow speeds; 3. Additional X type sync; 4. Film speed indicator.

### CANON V

**Introduced:** 1956 **Discontinued:** 1958
**Shutter Speeds:** 1-1/1000, B, T, ST.
**Flash Sync:** For FP type bulbs at all speeds; M type bulbs, 1/125 to 1 sec.; F type bulbs, 1/30 to 1 sec.; X sync up to 1/50 sec.
**Special Features:** Coupled coincidence type rangefinder with single eyepiece for range-viewfinder; viewfinder adjustments for 35mm and 50mm lenses, as well as critical magnification; accessory shoe, synchronized with rangefinder, provides automatic parallax correction for all accessory viewfinders; fixed take-up spool; hinged back; rapid film advance trigger, as well as manual film winding knob with built-in film type indicator; double exposure prevention; shutter release guard also acts as setting for intentional double exposures and film advance-rewind.
**Last List Price:** With 35mm f/1.8 Canon, $358; with 50mm f/1.8 Canon, $323; with 50mm f/1.2 Canon, $448.
**Used Selling Price:** With f/1.8 Canon, $160-$192.

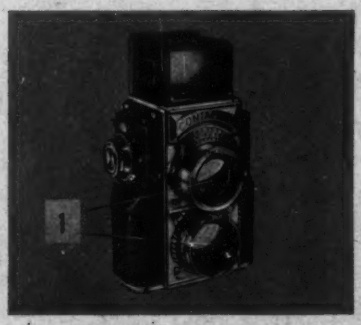
**Special Identification Points:** 1. Rapid film advance trigger; 2. Self timer; 3. Hinged back; 4. No folding rewind lever.

## CONTAFLEX

**Manufacturer:** Zeiss Ikon A. G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films. They also accept Contax cassettes.

### CONTAFLEX TWIN-LENS REFLEX

**Introduced:** 1935 **Discontinued:** 1940
**Lens:** Interchangeable, by means of bayonet lens mount. Standard lenses were 50mm f/2 or f/1.5 Sonnar, or 50mm f/2.8 Tessar. Focal lengths from 35 to 135mm were available. Viewing lens was 80mm f/2.8.
**Shutter:** Metal focal-plane, ½-1/1000, B, ST.
**Flash Sync:** None. Add Type 1 (X sync) or 2 (with FP bulbs). See *page BG-7*.
**Special Features:** Built-in photoelectric exposure meter; built-in magnifier for ground glass image; Albada sportsfinder; coupled film transport and shutter cocking; built-in depth of field scale; automatic exposure counter.
**Last List Price:** With f/2 Sonnar, $309; with f/1.5 Sonnar, $399; with f/2.8 Tessar, $267.
**Used Selling Price:** With f/2 Sonnar, $90-$116.




**Special Identification Points:** 1. Only Zeiss 35mm twin-lens reflex camera.

### CONTAFLEX I

**Note:** The post-war Contaflex is of entirely different design from the pre-war camera of the same name. The current camera is an eye-level focusing single-lens reflex.
**Introduced:** 1953 (current model).
**Lens:** 45mm f/2.8 Tessar incorporating automatic preset diaphragm.

**Shutter:** Until 1954, came with Synchro-Compur, with speeds, of 1, ½, 1/5, 1/10, 1/25, 1/50, 1/100, 1/250, 1/500, B; latest version comes with Synchro-Compur MXV, with speeds of 1, ½, ¼, ⅛, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Eye-level roof prism reflex focusing in combination with split-image rangefinder; film transport coupled to shutter winding, preset diaphragm, exposure counter, reflex mirror and film-protecting light trap; built-in depth of field scale; film type indicator; setting for optional fixed focus use; body shutter release; removable back.
**Last List Price:** $153.
**Used Selling Price:** $80-$112.
**Special Identification Points:** 1. No built-in exposure meter.

### CONTAFLEX II

**Note:** This camera is the same as the current Contaflex I, but has a built-in photoelectric exposure meter.
**Introduced:** 1954 (current model).
**Flash Sync:** MX.
**Last List Price:** $176.
**Used Selling Price:** $95-$125.

**Special Identification Points:** 1. Built-in exposure meter.

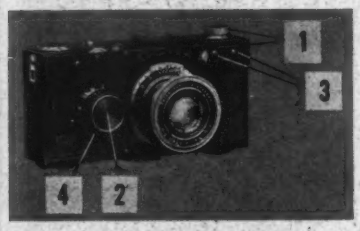
## CONTAX

**Manufacturer:** Zeiss Ikon A. G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures on standard cartridge films. They also accept bulk load cassettes and daylight loading spools.
**Lens:** All models incorporate bayonet lens mounts for interchangeability of lenses. Standard lens is 50mm f/3.5 Tessar or 50mm f/2 or f/1.5 Sonnar. Focal lengths from 21 to 500mm are available.
**Shutter:** All models have metal focal-plane shutter.
**Flash Sync:** Either Type 1 (X sync) or Type 2 (with FP bulbs) can be added to any non-sync Contax. See *page BG-7* for details.

### CONTAX I

**Introduced:** 1932 **Discontinued** 1936
**Shutter Speeds:** 1/25-1/1000, B.

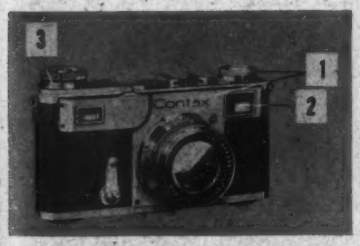
**Note:** Version introduced in 1934 had speeds down to ½ sec.
**Flash Sync:** None. See note *above*.
**Special Features:** Coupled long-base rangefinder; interchangeable lenses; built-in knurled wheel for focusing 50mm lenses from top of camera; detachable back; accepts plate back and full range of accessories; coupled film transport and shutter cocking (double and blank exposure prevention).
**Last List Price:** With 50mm f/3.5 Tessar, $135; with 50mm f/2 Sonnar, $181.
**Used Selling Price:** With f/2 Sonnar, $55-$75.




**Special Identification Points:** 1. Made only in black enamel finish with nickel trim; 2. Only Contax model with shutter setting-film winding knob located on front of camera; 3. Only Contax model with separate eyepieces for view and rangefinder; 4. Fastest shutter speed is 1/1000.

### CONTAX II

**Introduced:** 1936 **Discontinued:** 1940
**Shutter Speeds:** ½-1/1250, B, ST.
**Flash Sync:** None. See note, beginning of Contax section.
**Special Features:** Combined eyepiece for view and rangefinder; other features same as Model I.
**Last List Price:** With 50mm f/3.5 Tessar, $168; with f/2 Sonnar, $210.
**Used Selling Price:** With f/2 Sonnar, $77-$99.




**Special Identification Points:** 1. Made only in chrome finish; 2. Combined eyepiece for view and rangefinder; 3. Slow shutter speeds down to only ½ sec. instead of 1 sec. as in later Model IIa.

### CONTAX IIa

**Introduced:** 1950 (current model).
**Shutter Speeds:** 1/1250, B, ST.
**Flash Sync:** Early models had



# Should You Buy A Used Camera Without Flash Synchronization?

IS IT WORTHWHILE TO BUY A CAMERA which does not have flash sync built in and have the synchronization mechanism added? The answer to that is a tentative "yes" which may be a definite "yes"—if: the price of the camera is more than $50 and it is in all other ways suitable for your purposes; if you shoot flash only occasionally; if you can't buy another equally good camera with factory installed sync for the price of the old non-sync camera plus the cost of installing sync; if you or your photo dealer know a reliable repairman capable of doing a good installation job.

However, if you do a lot of flash work, some with bulbs and some with speed light, then you'd better save your money to buy a camera with factory installed sync for all kinds of flash work.

Here's a list of the various types of sync which might be added to an old camera, plus recommendations and costs. The internal installations are of the simplest type, using a single switch. If you want a safety switch to prevent accidental flashing (focal-plane shutters only), add about 50 percent to the cost of the installation.

**Type 1: Internal contact points with zero delay.** That is, the electrical circuit is completed at the instant the shutter blades or curtains are wide open. Commonly called "X" sync, this is the easiest type to install in a non-sync shutter. It is most useful in a leaf-type shutter. You can use electronic flash at any speed; at slow shutter speeds (up to about 1/30 sec.) any type of flashbulb may be used. It can be added successfully to all models of the Compur shutter, to most Prontors, and to the better grade Japanese makes. Approximate cost range is $15 to $25.

For focal-plane shutters, X sync is desirable if you plan to use electronic flash mainly. If your main concern is with flashbulbs, Types 2 or 4 (*below*) may be more useful. X sync can be added sucessfully to practically any 35mm or roll film camera with focal-plane shutter. Approximate cost range is $18 to $40.

**Type 2: Internal contact points with 20-millisecond delay.** That is, the circuit is completed .017 to .020 seconds before the shutter blades or curtains are wide open. This type of sync is designed for use only with Class M bulbs and leaf-type shutters, and Class FP bulbs and focal-plane shutters. Unless you have definite reason for sticking exclusively to flashbulbs, it is inadvisable to install this type of sync in a leaf shutter (except in conjunction with X sync). It is, however, quite usable with 35mm focal-plane shutters. Approximate cost range is $18 to $40.

**Type 3: Internal contact points with 3-millisecond delay.** That is, the circuit is completed about .003 seconds before the shutter blades or curtains are wide open. This is for use only with Class F (SM or SF) flashbulbs. It is inadvisable to install such sync, as the Class F bulbs may be used satisfactorily with X sync (Type 1, *above*).

**Type 4: External contact points,** operated by movement of a shutter speed setting ring, or similar part of the camera mechanism. These are useful mainly for synchronizing focal-plane shutters. Some types let you use high shutter speeds with FP bulbs; others provide a version of "open flash" for speed light or flashbulbs. Wide range of prices.

**Type 5: External solenoid to actuate shutter.** These work only with set-and-release shutters, preferably of the leaf type, and are for use only with flashbulbs, generally Class M. This type of sync is virtually obsolete today, and it is inadvisable to install it on a camera (except for some press types) unless there is compelling reason to do so.

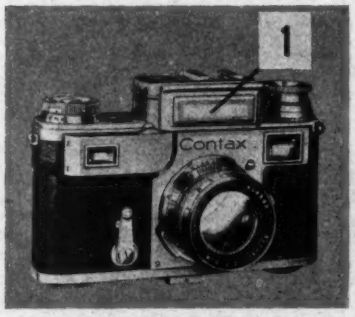
**Type 6: Mechanical devices** which screw into the cable release socket. These are of three kinds: (1) So-called "passive" synchronizers actuated by the shutter, *after* it is tripped. These are inexpensive and may be useful with an old self-cocking shutter for an occasional flash. (2) Cable release incorporating a mechanical time delay. (3) Cable release actuated by solenoid. All three systems are of relatively limited utility.

threaded sync mount, required special adapter for M up to 1/25, different adapter for X up to 1/50. Current models have standard sync connector, use FP bulbs for 1/100 to 1/1250, X at 1/50, M up to 1/25.
**Special Features:** Film speed reminder dial combined with rewind knob. Other features same as Model II.
**Last List Price:** With 50mm f/3.5 Tessar, $247; with 50mm f/2 Sonnar, $298.
**Used Selling Price:** With f/2 Sonnar, $150-$179.

**Special Identification Points:** 1. Note differences in flash sync described *above*; 2. Film speed reminder dial; 3. Early models have all black shutter speed markings. Later ones have black up to 1/25, yellow 1/50, red 1/100 to 1/1250.

### CONTAX III

**Introduced:** 1936 **Discontinued:** 1940
**Shutter Speeds:** ½-1/1250, B, ST.
**Flash Sync:** None. See note, beginning of Contax section.
**Special Features:** Built-in photoelectric exposure meter calibrated in DIN or American Scheiner scales. Other features same as Model II.
**Last List Price:** With 50mm f/3.5 Tessar, $213; with f/2 Sonnar, $255.
**Used Selling Price:** With f/2 Sonnar, $90-$115.




**Special Identification Points:** 1. Built-in exposure meter calibrated in DIN or American Scheiner scales.

### CONTAX IIIa

**Introduced:** 1951 (current model).
**Shutter Speeds:** 1-1/1250, B, ST.
**Flash Sync:** Same as Contax IIa.
**Special Features:** Built-in photoelectric exposure meter calibrated in ASA exposure indexes. Other features same as Model II.
**Last List Price:** With 50mm f/3.5 Tessar, $277; with 50mm f/2 Sonnar, $328.
**Used Selling Price:** With f/2 Sonnar, $170-$210.

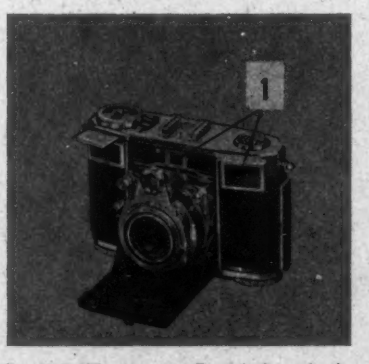
**Special Identification Points:** 1. Built-in exposure meter has ASA calibrations; 2. Factory installed sync; 3. Add'l slow shutter speed of 1 sec.

## CONTESSA

**Manufacturer:** Zeiss Ikon A. G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Film Size:** Takes up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films.

### CONTESSA 35

**Introduced:** 1950 **Discontinued:** 1955
**Lens:** 45mm f/2.8 Tessar.
**Shutter:** Early version has Compur-Rapid, 1-1/500, B; 1953 version has Synchro-Compur.
**Flash Sync:** Earliest version has only X sync; later ones have MX.




**Special Features:** Coupled coincidence type rangefinder; single eyepiece for range-viewfinder; built-in photoelectric exposure meter; film type indicator; double and blank exposure prevention; built-in depth of field scale; automatic exposure counter; accessory shoe; setting for optional fixed focus use.
**Last List Price:** With Synchro-Compur shutter, $142.
**Used Selling Price:** $62-$90.
**Special Identification Points:** 1. Combined range-viewfinder; 2. Rangefinder coupled to lens.

## CONTINA AND IKONTA 35

**Manufacturer:** Zeiss Ikon A. G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures on standard cartridge films.

### IKONTA 35

**Introduced:** 1948 **Discontinued:** 1952
**Lens:** From 1948 to 1950, came only with 45mm f/3.5 Novar lens; from 1950 to 1952, came with 45mm f/3.5 Novar, 45mm f/2.8 Xenar, or 45mm f/2.8 Tessar.
**Shutter:** From 1948 to 1950, came only with Klio, 1-1/250, B, ST; from 1950 to 1952, came with Prontor S (with Novar lens), 1-1/300, B, ST; or Compur-Rapid (with Xenar or Tessar lens), 1-1/500, B.
**Flash Sync:** None in earliest version. Later had X.
**Special Features:** Double and blank exposure prevention; optical type viewfinder; setting for optional fixed focus use; built-in depth of field scale; automatic exposure counter; film type indicator; accessory shoe (in all models except 1948-1950 version).
**Last List Price:** Not available.
**Used Selling Price:** With f/2.8 Tessar, $34-$52; with f/2.8 Xenar, $30-$46; with f/3.5 Novar, $27-$38.
**Special Identification Points:** 1. From 1948 to 1950, came only with Klio shutter; 2. Prontor S or Compur-Rapid shutter instead of Prontor SV, SVS or Synchro-Compur as in later Contina models.

### CONTINA I (Early model)

**Note:** This model is the same as Ikonta 35, but came with 45mm f/3.5 Novar in Prontor SV or SVS shutter, 1-1/300, B, ST, or 45mm f/2.8 Tessar in Synchro-Compur, 1-1/500, B.

**Introduced:** 1952 **Discontinued:** 1955
**Flash Sync:** MX.
**Special Features:** Same as Ikonta 35.
**Last List Price:** With Tessar lens, $60.
**Used Selling Price:** $32-$40.
**Special Identification Points:** 1. Prontor SV, SVS or Synchro-Compur shutter instead of Prontor S or Compur-Rapid as in Ikonta 35.

### CONTINA II (Early model)

**Note:** This model is basically the same as early model of Contina I, but has a built-in coincidence type rangefinder which is not coupled to the lens. It comes with the same lens-shutter combinations as early model of Contina I.
**Introduced:** 1952 **Discontinued:** 1955
**Last List Price:** With Novar lens in Prontor SVS shutter, $49; with Tessar lens in Synchro-Compur, $63.
**Used Selling Price:** With f/3.5 Novar, $29-$39.

**Special Identification Points:** 1. Built-in, uncoupled rangefinder.

### CONTINA I (Latest model)

**Introduced:** 1955 (current model).
**Lens:** 45mm f/3.5 Novar or 45mm f/2.8 Novicar.
**Shutter:** Prontor SVS, 1-1/300, B, ST.
**Flash Sync:** MX.

**Special Features:** Rapid film advance lever; body shutter release; coupled film transport and shutter cocking; optical type viewfinder; setting for optional fixed focus use; built-in depth of field scale; automatic exposure counter; film type indicator; accessory shoe.
**Last List Price:** With f/3.5 Novar, $39; with f/2.8 Novicar, $49.
**Used Selling Price:** With f/3.5 Novar, $21-$30.
**Special Identification Points:** 1. Rigid lens assembly instead of bellows as in Ikonta 35 and early model of Contina I; 2. No built-in exposure meter as in current model of Contina II.

### CONTINA II (Latest model)

**Note:** This model is similar to current model of Contina I, but has a built-in photoelectric exposure meter and comes with either 45mm f/3.5 Novar or 45mm f/2.8 Novicar lens in Prontor SVS shutter, 1-1/300, B, ST.
**Introduced:** 1955 (current model).
**Last List Price:** With Novar lens, $59; with Novicar, $69.
**Used Selling Price:** With f/2.8 Novicar, $39-$56.
**Special Identification Points:** 1. Built-in exposure meter.

## EXA

**Manufacturer:** Ihagee Kamerawerk A. G., Dresden, Germany.
**Importer:** Exakta Camera Co., 705 Bronx River Rd., Bronxville 8, N. Y.
**Film Size:** Up to 36 double frame (1 x 1½-in.) pictures using standard 35mm cartridges.
**Lens:** Interchangeable, by means of bayonet mount. Accepts many of the Exakta lenses.
**Shutter:** Rotary focal-plane.

### EXA

**Introduced:** 1954 (current model).
**Shutter Speeds:** 1/25-1/150, B.
**Flash Sync:** 1954 version, MX; version introduced in 1956, FX.
**Special Features:** Single-lens reflex focusing (accepts waist-level or Penta-Prism eye-level viewfinders); accepts most Exakta accessories; built-in magnifier; sportsfinder.
**Last List Price:** With waist-level finder and 50mm Tessar preset: f/2.8, $129.50; f/3.5, $119.50. With Penta-Prism finder, split-image rangefinder and 50mm f/2.8 Westanar automatic, $165.
**Used Selling Price:** With f/3.5 Tessar, $54-$72.

**Special Identification Points:** 1. 1954 version has four flash contacts; 1956 version (illustrated) has two.

## EXAKTA

**Manufacturer:** Ihagee Kamerawerk A. G., Dresden, Germany.
**Importer:** Exakta Camera Co., 705 Bronx River Rd., Bronxville 8, N. Y.
**Note:** Also known as Kine Exakta.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures on standard 35mm cartridges.
**Lens:** All models incorporate bayonet lens mounts for interchangeability of lenses. Standard lens on Exakta I or II is 50mm f/3.5 or f/2.8 Zeiss Tessar, or 54mm f/3.5 Exaktar. Standard lens on Exakta V or VX: 50mm f/3.5 or f/2.8 Tessar, 58 mm f/2 Zeiss Biotar, 58mm f/1.9 Primopan, or 50mm f/1.5 Angenieux. Latest lenses have preset diaphragms.
**Shutter:** All models have focal-plane shutter, 12-1/1000, B, T, ST (works with speeds from 6 to 1/1000 sec.).

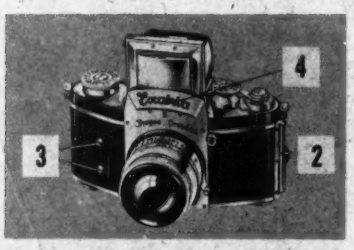
### EXAKTA I

**Introduced:** 1937 **Discontinued:** 1946
**Flash Sync:** For FP bulbs at all speeds (if properly adjusted). Also, M up to 1/25. Can add Type 1 (X sync). See *page BG-7*.
**Special Features:** Film transport and shutter winding coupled; 2X magnified ground glass image; built-in film cutting knife; film transport and shutter winding by lever; shutter locked when camera is closed;

sportsfinder; built-in magnifier for ground glass image.
**Last List Price:** Not available.
**Used Selling Price:** With f/3.5 Tessar, $55-$70.
**Serial Numbers:** To approximately 648,000.
**Special Identification Points:** 1. Permanently fixed reflex viewfinder; 2. Removable back; 3. Only one set of flash contacts on front of camera; 4. Most of the Model I cameras are marked "Exacta" instead of "Exakta" as on later models.

### EXAKTA II

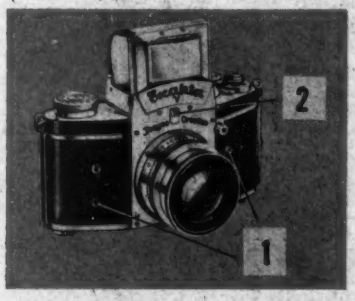
**Introduced:** 1949 **Discontinued:** 1950
**Flash Sync:** Same as Exakta I.
**Special Features:** Protective cover for magnifier. Other features same as Exakta I.
**Last List Price:** Not available.
**Used Selling Price:** With f/2.8 Tessar, $74-$92.
**Serial Numbers:** Approximately 648,000 to 665,000.




**Special Identification Points:** 1. Permanently fixed reflex viewfinder; 2. Removable back; 3. Only one set of flash contacts on front of camera; 4. The first few Model II cameras are marked "Exacta." Most of the Model II cameras, and all subsequent models, are marked "Exakta."

### EXAKTA V

**Note:** Version marketed in Europe, and sometimes met with in U. S., was known as Varex.
**Introduced:** 1951 **Discontinued:** 1952
**Flash Sync:** Two sets of flash contacts. One marked M or V is for FP bulbs at 1/100 and faster, M type 1/25 and slower. Other set marked X or E gives X sync up to 1/50.




**Special Features:** Removable reflex finder hood (can be replaced with prismatic eye-level focusing finder). Other features same as Exakta II.
**Last List Price:** Not available.
**Used Selling Price:** With f/2 Xenon, $104-$122.
**Serial Numbers:** Approximately 665,000 to 695,000.
**Special Identification Points:** 1. Differentiated from Exakta I and II by having two sets of flash contacts; 2. Further differentiated by Penta-Prism release lever on front of camera; 3. Differentiated from Exakta VX by not having film transport warning signal or film speed indicator built in.

### EXAKTA VX

**Introduced:** 1952 **Discontinued:** 1954
**Flash Sync:** Same as Exakta V.
**Special Features:** Accepts take-up cartridge; film transport warning signal; improved rewinding knob; hinged removable back; camera body and film aperture one piece; improved latch on camera back release; built-in film speed indicator. Other features same as Exakta V.
**Last List Price:** With waist-level finder: with 50mm f/2.8 Tessar, $259.50; with 58mm f/2 Biotar, $335.
**Used Selling Price:** With f/2 Biotar (preset), $160-$199.
**Serial Numbers:** From approximately 695,000.
**Special Identification Points:** 1. Film counter which counts expo-

sures after they have been made; 2. Film transport warning signal; 3. Film speed indicator.

### EXAKTA AUTOMATIC VX

**Note:** This model is practically identical with Exakta VX 1952 except for a few improvements (see "special features").
**Introduced:** 1954 **Discontinued:** 1957
**Lens:** Standard lenses have fully automatic preset diaphragms: 50mm f/2.8 Isco Westanar; 50mm f/1.9 Schneider Xenon; or 50mm f/2 Isco Westagon.
**Special Features:** Gear-set exposure counter; hinged safety cover which fits around shutter release; improved rewind mechanism, improved shutter mechanism (exposures can be made with waist-level finder in folded position). Other features same as Exakta VX 1952.
**Last List Price:** With Penta-Prism eye-level focusing finder: with 50mm f/2.8 Westanar, $296.50; with 50mm f/1.9 Xenon, $398.70; with 50mm f/2 Westagon, $336.50; with f/2 Biotar, $392; with f/2.8 Tessar, $326.50; with f/1.9 Auto-Quinon, $398.70.
**Used Selling Price:** With f/2 auto. Westagon, $155-$177.

**Special Identification Points:** 1. Gear for setting exposure counter.

## GRAPHIC 35

**Manufacturer:** Graflex, Inc., 3750 Monroe Ave., Rochester 3, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridges.

### GRAPHIC 35, f/3.5

**Introduced:** 1955 **Discontinued:** 1958
**Lens:** 50mm f/3.5 Graflar.
**Shutter:** Prontor SVS, 1-1/300, B, ST.
**Flash Sync:** MX.
**Special Features:** Push-buttom focusing with built-in split-image type rangefinder; double exposure prevention; "Spectramatic" color coding simplifies setting shutter speed and lens opening for flash (operates for No. 5 and 25 bulbs); red dot setting for average outdoor pictures; built-in depth of field scale; accessory shoe; removable back.
**Last List Price:** $77.50.
**Used Selling Price:** $40-$59.

**Special Identification Points:** 1. F/3.5 lens.

### GRAPHIC 35, f/2.8

**Note:** This camera is similar to Graphic 35 f/3.5, but has 50mm f/2.8 Graflar lens, and its "Universal Spectramatic" color coded flash settings work with almost all flashbulbs.
**Introduced:** 1956 (current model).
**Last List Price:** $89.50.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. F/2.8 lens.

## KODAK RETINA AND RETINETTE

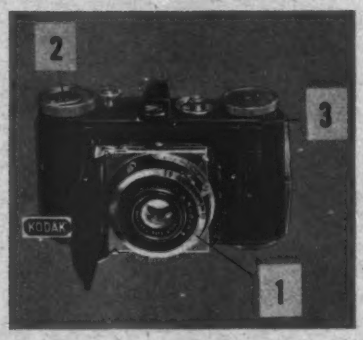
**Manufacturer:** Kodak A. G., Stuttgart, Germany.
**Importer:** Eastman Kodak Co., Rochester, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures on standard cartridge films.
**Lens:** Lenses have 3, 4 or 6 elements, depending on camera model. All models except Retina IIc, IIIc and IIIC have fixed mount (unremovable) lenses; these have front component interchangeable with accessory wide-angle and telephoto components.
**Shutter:** All models have between-the-lens shutters.
**Flash Sync:** Type 1 (X sync) can be added to any non-sync Retina. See *page BG-7* for details.
**Note:** The following listing covers only models imported by Eastman Kodak. All cameras imported after 1948 have the letters "EK" preceding the serial number.

### KODAK RETINA (1934)

**Introduced:** 1934 **Discontinued:** 1937
**Lens:** 50mm f/3.5 Schneider Xenar.
**Shutter:** Compur, 1-1/300, B, T.
**Flash Sync:** None. See note *above*.
**Special Features:** Self-erecting bed; finger and plunger shutter releases; lever operated focusing mount; duplicate focus and diaphragm scales for horizontal and vertical pictures; optical eye-level viewfinder; built-in depth of field scale; automatic exposure counter; film lock release; hinged back; tripod socket.
**Last List Price:** $52.50.
**Used Selling Price:** $19-$30.
**Special Identification Points:** 1. Top shutter speed of only 1/300 sec. instead of 1/500 as in later models; 2. Made only in black finish with nickel trim.

### KODAK RETINA (1935)

**Introduced:** 1935 **Discontinued:** 1937
**Lens:** 50mm f/3.5 Schneider Xenar.
**Shutter:** Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Same as 1934 model except for shutter.
**Last List Price:** $57.50.
**Used Selling Price:** $18-$27.




**Special Identification Points:** 1. Top shutter speed of 1/500 sec. instead of 1/300 as in 1934 model; 2. Film advance release on top of camera; 3. Made only in black finish with nickel trim.

### KODAK RETINA (1936)

**Introduced:** 1936 **Discontinued:** 1937
**Lens:** 50mm f/3.5 Schneider Xenar.
**Shutter:** Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Accessory shoe. Other features same as 1935 model.
**Last List Price:** $57.50.
**Used Selling Price:** $18-$30.
**Special Identification Points:** 1. Film advance release on back of camera instead of on top as in earlier models; 2. Accessory shoe; 3. Made only in black finish with nickel trim.

### KODAK RETINA I (1937)

**Introduced:** 1937 **Discontinued:** 1938
**Lens:** 50mm f/3.5 Kodak Ektar.
**Shutter:** Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Satin chrome finish. Other features same as Retina, 1936 model, except for lens.
**Last List Price:** $57.50.
**Used Selling Price:** $18-32.
**Special Identification Points:** 1. Differentiated from previous Retina models by having Ektar instead of Xenar lens; 2. Made only with satin chrome finish; 3. Diffcrentiated from later Retina I, 1948 model, by having both B & T shutter setting instead of only B.

### KODAK RETINA I (1948)

**Introduced:** 1948 **Discontinued:** 1951
**Lens:** 50mm f/3.5 Schneider Xenar.
**Shutter:** Compur-Rapid, 1-1/500, B.
**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Coated lens; body shutter release; double exposure prevention. Other features same as Retina I, 1937, but has no accessory shoe.
**Last List Price:** $72.75.
**Used Selling Price:** $18-$30.
**Special Identification Points:** 1. Differentiated from Retina I, 1937 model, by having Xenar instead of Ektar lens; 2. No accessory shoe on top of camera.

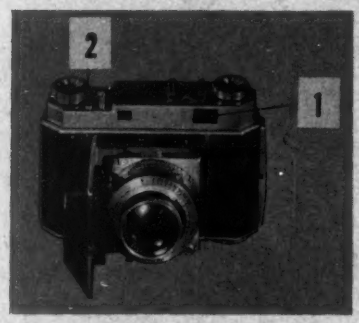
### KODAK RETINA II (1937)

**Introduced:** 1937 **Discontinued:** F/2.8 model, 1939; f/2 model, 1940.
**Lens:** 50mm f/2.8 or f/2 Xenon.
**Shutter:** Compur-Rapid, 1-1/500, B.
**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Coupled coincidence type rangefinder; double exposure prevention; body shutter release; enclosed optical viewfinder; automatic exposure counter; built-in depth of field scale; satin chrome finish.
**Last List Price:** With field case: with f/2.8 lens, $115; with f/2 lens, $120.
**Used Selling Price:** With f/2 Xenon, $55-$72.
**Special Identification Points:** 1. First model with coupled rangefinder; 2. Separate windows for view and rangefinder.

### KODAK RETINA II (1948)

**Introduced:** 1948 **Discontinued:** 1950
**Lens:** 50mm f/2 Retina-Xenon.
**Shutter:** Compur-Rapid, 1-1/500, B.

**Flash Sync:** None. See note, beginning of Retina section.
**Special Features:** Combined window for view and rangefinder; accessory shoe. Other features same as Retina II, 1937 model, but had coated lens.
**Last List Price:** $197.75.
**Used Selling Price:** $60-85.




**Special Identification Points:** 1. Combined instead of separate windows for view and rangefinder; 2. No one stroke film advance lever; 3. No factory installed flash sync.

### KODAK RETINA IIA

**Introduced:** 1951 **Discontinued:** 1955
**Lens:** 50mm f/2 Retina-Xenon.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync;** MX.
**Special Features:** One stroke film advance lever; film speed indicator. Other features same as Retina II, 1948 model.
**Last List Price:** $127.50.
**Used Selling Price:** $70-$95.

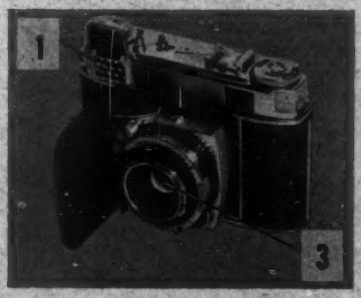
**Special Identification Points:** 1. MX flash sync; 2. No built-in photoelectric exposure meter; 3. Film advance lever on top instead of bottom of camera.

### KODAK RETINA IIc

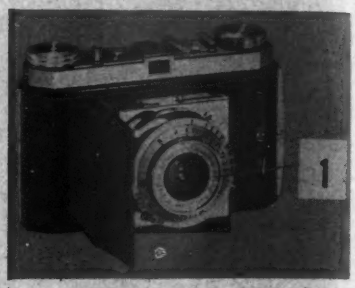
**Introduced:** 1955 **Discontinued:** 1958
**Lens:** 50mm f/2.8 Retina-Xenon C; front component is interchangeable with accessory wide-angle or telephoto component.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Shutter incorporates Exposure Value Scale cross coupled to lens diaphragm (as shutter speeds are changed, lens opening changes correspondingly, thus keeping relative exposures constant), viewfinder with projected field frame and parallax correction indicators. Other features same as Retina IIA.
**Last List Price:** $132.
**Used Selling Price:** $83-$104.
**Special Identification Points:** 1. Differentiated from Retina IIA by having film advance lever on bottom instead of top of camera; 2. Interchangeable front lens component; 3. No built-in exposure meter as in Retina IIIc and IIIC.

### KODAK RETINA IIIc

**Introduced:** 1954 **Discontinued:** 1958
**Lens:** 50mm f/2 Retina-Xenon C; front component is interchangeable with accessory wide-angle or telephoto component.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Shutter incorporates Exposure Value Scale cross coupled to lens diaphragm (as shutter speeds are changed, lens opening changes correspondingly, thus keeping relative exposures constant); built-in photoelectric exposure meter providing direct Exposure Value Scale readings; viewfinder with projected field frame and parallax correction indicators. Other features same as Retina IIA.
**Last List Price:** $175.
**Used Selling Price:** $95-$127.
**Special Identification Points:** 1. Built-in photoelectric exposure meter; 2. Film advance lever on bottom instead of top of camera as in Retina IIA; 3. Interchangeable front lens component.




### KODAK RETINETTE




**Introduced:** 1952 **Discontinued:** 1954
**Lens:** 50mm f/4.5 Schneider Reomar.
**Shutter:** Prontor SV, 1-1/300, B, ST.
**Flash Sync:** MX.
**Special Features:** Hinged back; double exposure prevention; body shutter release; automatic exposure counter; built-in depth of field scale; enclosed optical viewfinder; accessory shoe; satin chrome finish.
**Last List Price:** $56.25.
**Used Selling Price:** $25-$35.
**Special Identification Points:** 1. Schneider Reomar lens.

## KODAK SIGNET

**Manufacturer:** Eastman Kodak Co., Rochester, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films.

### KODAK SIGNET 35

**Introduced:** 1951 **Discontinued:** 1958
**Lens:** 44mm f/3.5 Kodak Ektar.
**Shutter:** Kodak Synchro 300, 1/25-1/300, B.
**Flash Sync:** M.
**Special Features:** Coupled rangefinder with single window for range-viewfinder; double exposure prevention; film type indicator; exposure guide; built-in depth of field scale.

**Last List Price:** $75.
**Used Selling Price:** $38-$49.
**Special Identification Points:** 1. "Signet 35" engraved on top of camera; 2. Top shutter speed of 1/300; 3. F/3.5 Ektar lens.

### KODAK SIGNET 40

**Introduced:** 1956 (current model).
**Lens:** 46mm f/3.5 Ektanon.
**Shutter:** Kodak Synchro 400, 1/5-1/400, B.
**Flash Sync:** MFX.
**Special Features:** Thumb type rapid film advance; rapid film rewind knob; built-in adapter ring; direct connection for Kodalite type flash holder. Other features same as Signet 35.
**Last List Price:** With Super M-40 Flasholder, $62.50.

**Used Selling Price:** Not available.
**Special Identification Points:** 1. "Signet 40" engraved on front of rangefinder housing; 2. Top shutter speed of 1/400; 3. F/3.5 Ektanon lens.

## KONICA

**Manufacturer:** Konishiroku Photo Industry Co., Ltd., Tokyo, Japan.
**Importer:** Konica Camera Co., 76 W. Chelten Ave., Philadelphia 44, Pa.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridges.

### KONICA (1946)

**Introduced:** 1946 **Discontinued:** 1952
**Lens:** 50mm f/3.5 Hexar.
**Shutter:** Konirapid, 1-1/500, B, T.
**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.
**Special Features:** Coupled coincidence type rangefinder; combined window for view and rangefinder; automatic exposure counter; helical focusing.
**Last List Price:** $69.75.
**Used Selling Price:** $22-$31.
**Serial Numbers:** Up to 26,000.
**Special Identification Points:** 1. Shutter has Time setting; 2. No factory installed sync; 3. No double exposure prevention.

### KONICA I

**Introduced:** 1950 **Discontinued:** 1954
**Lens:** Until 1951, came with 50mm f/3.5 Hexar; from 1951 to 1952, came with 50mm f/2.8 Hexar or 50mm f/2.8 Hexanon; from 1952 to 1954, came to 1954, came with 50mm f/2.8 Hexanon only.
**Shutter:** Konirapid S, 1-1/500, B.
**Flash Sync:** M to 1/50, F at all speeds.
**Special Features:** Same as 1946 Konica except for flash sync.
**Last List Price:** With Hexar f/3.5 or f/2.8 lens, $69.75; with Hexanon f/2.8, $79.75.
**Used Selling Price:** With f/3.5 Hexar, $30-$42.
**Serial Numbers:** Hexar f/3.5 version, up to 37,600; Hexar f/2.8 version, up to 46,000; Hexanon f/2.8 version, up to 68,700.
**Special Identification Points:** 1. Factory installed sync connector; 2. Shutter does not have Time setting; 3. No double exposure prevention.

### KONICA II

**Introduced:** 1951 (current model).
**Lens:** 50mm f/2.8 Hexanon.
**Shutter:** Konirapid S, 1-1/500, B, T.
**Flash Sync:** Up to 1956, M to 1/50, F at all speeds. Latest version has MFX with selector.
**Special Features:** Recessing lens mount; focusing lever which extends and locks lens mount in shooting position; double exposure prevention with provision for intentional double exposures; body shutter release; film type indicator. Other features same as Konica I.
**Last List Price:** $89.75.
**Used Selling Price:** $42-$59.
**Special Identification Points:** 1. Up to April, 1956, marketed with ASA bayonet flash connector. Latest version has internal PC connector at side of lens; 2. Shutter has Time setting; 3. Body shutter release.

### KONICA IIA

**Introduced:** 1955 **Discontinued:** 1956
**Lens:** 48mm f/2 Hexanon.
**Shutter:** Konirapid FMX, 1-1/500, B, T.
**Flash sync:** MFX with selector.
**Special Features:** Full sync. Other features same as Konica II.
**Last List Price:** $119.75.
**Used Selling Price:** $60-$81.

**Special Identification Points:** 1. 48mm f/2 Hexanon lens; 2. Full sync.

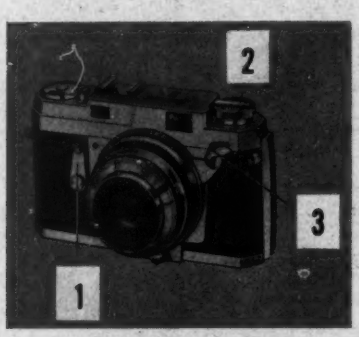
### KONICA III

**Introduced:** 1956 (current model).
**Lens:** 48mm f/2 Hexanon.
**Shutter:** First version has Konirapid FMX, 1-1/500, B, ST, current version has Seikosha MXL Light Value shutter cross coupled to lens diaphragm.
**Flash Sync:** MFX with selector.
**Special Features:** Coupled coincidence type rangefinder with single eyepiece for view and rangefinder; bright line range-viewfinder with parallax correction lines; rapid film advance lever; self-resetting exposure counter; film rewind crank; dou-

ble exposure prevention; self timer can be used with M, [illegible] or X sync at all shutter speeds (in current version).

**Last List Price:** $112.75.

**Used Selling Price:** With f/2 Hexanon, MFX, $60-$93.




**Special Identification Points:** 1. Self timer; 2. Film rewind crank; 3. Rapid film advance lever; 4. Current version has Seikosha MXL Light Value shutter.

## LEICA

**Manufacturer:** Ernst Leitz, G. M. B.H., Wetzlar, Germany.

**Importer:** E. Leitz, Inc., 468 Fourth Ave., New York 16, N. Y.

**Film Size:** All models except Models 250 and "72" take up to 36 double frame (1 x 1½-in.) pictures on standard cartridge films. They also accept special Leica cassettes for loading bulk film. Model 250 uses special magazines and takes up to 250 double frame pictures; Model "72" takes up to 72 single frame (¾ x 1-in.) pictures on standard cartridges and also accepts Leica cassettes.

**Lens:** All models except Models A, B and M3 incorporate threaded lens mounts for interchangeability of lens (Leica M3 uses bayonet mount). Standard lens on older models is 50mm f/3.5 Elmar, f/2 Summar or f/2 Summitar. Standard lens on latest models is factory coated 50mm f/2.8 Elmar, f/2 Summicron or f/1.5 Summarit. Focal lengths 28 to 400mm available.

**Shutter:** All models except Model B have rubberized cloth focal-plane shutter. Model B has Compur between-the-lens shutter.

**Flash Sync:** Either Type 1 (X sync) or Type 2 (with FP bulbs) can be added to any non-sync Leica, except Model B. See *page BG-7* for details.

**Quick Identification Points:** Leica models without built-in rangefinder: A, B, C, E, Ic, If, Ig.

Leica models with coupled rangefinder but without front slow shutter speed dial: II, IIc, IIf.

Leica models with coupled rangefinder and front slow shutter speed dial: III, IIIa, IIIb, IIIc, IIIf, IIIg.

Leica model with front slow shutter speed dial but no built-in rangefinder: Ig.

Leica models with factory installed sync and built-in film speed indicator: If, Ig, IIf, IIIf, IIIg, M3 (Ig, IIIg, M3 have indicator located on camera back instead of in winding knob).

Leica model with bayonet lens mount: M3.

**Note:** Models A, B and C came only in black enamel finish. Models Standard, II and III came in either black enamel or chrome finish. Model IIIa and all subsequent models came only in chrome finish.

**Note:** Models Ic, IIc, IIIc, If, IIf, IIIf and IIIg measure 5⅜ in. in length. Models A, B, C, Standard, II, III, IIIa and IIIb measure 5¼ in. and accessories which fit their base plates do not fit the later models. Model IIIg measures 3/16 in. higher than f Models because of larger viewfinder; a few f series accessories do not fit it.

### LEICA I (A and B)

**Introduced:** 1924 **Discontinued:** 1930

**Lens:** 50mm f/3.5 Elmar.

**Shutter Speeds:** 1/20-1/500, B.

**Flash Sync:** None. See note, beginning of Leica section.

**Special Features:** Film transport coupled with shutter winding; double and blank exposure prevention; accessory shoe; automatic exposure counter.

**Last List Price:** Leica A, $75.

**Used Selling Price:** Leica A, $20-$35.

**Serial Numbers:** Below 54,000.

**Special Identification Points:** 1. Permanently fixed lens mount; 2. No provision for cable release; 3. Made only with black enamel finish; 4. Spring infinity stop located at base of focusing mount; 5. No built-in rangefinder.

**Note:** Leica Model B is similar to Model A, but has a Compur instead of focal-plane shutter. Only a few were made. See cut *below*.

**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.

### LEICA C

**Introduced:** 1930 **Discontinued:** 1933

**Shutter Speeds:** 1/20-1/500, B.

**Flash Sync:** None. See note, beginning of Leica section.

**Special Features:** Interchangeability of lenses (earliest version required special fitting of interchangeable lenses; beginning in March, 1931, from serial number 60,500 upward, letter O was engraved on lens flange

to indicate that no special fitting was required); provision for using cable release. Other features same as Model A.

**Last List Price:** With 50mm f/3.5 Elmar, $66.

**Used Selling Price:** With f/3.5 Elmar, $30-$47.

**Serial Numbers:** Above 54,000 and below 100,000.

**Special Identification Points:** 1. Provision for interchanging lenses; 2. Made only with black enamel finish; 3. Rewind knob does not pull up; 4. No built-in rangefinder.

**Note:** Illustration shows Model C with separate Fokos rangefinder attached. Longer, vertically mounted Fodis rangefinder was originally supplied with the camera.

### LEICA E (STANDARD)

**Introduced:** 1933 **Discontinued:** 1940

**Shutter Speeds:** 1/20-1/500, B.

**Flash Sync:** None. See note, beginning of Leica section.

**Special Features:** Rewind knob pulls up for easier rewinding. Other features same as Model C.
**Last List Price:** With 50mm f/3.5 Elmar: black enamel finish, $128; chrome, $134.80.
**Used Selling Price:** With f/3.5 Elmar, $40-$57.
**Serial Numbers:** Above 100,000 and below 360,000.
**Special Identification Points:** 1. Pull-up rewind knob; 2. No built-in rangefinder.

## LEICA Ic

**Introduced:** 1949 **Discontinued:** 1952
**Shutter Speeds:** 1/30-1/500, B.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Additional accessory shoe for detachable viewfinder; roller bearings in shutter; exposure counter moves by one division instead of making complete revolution. Other features same as Standard model.
**Last List Price:** With 50mm f/3.5 Elmar, $136.
**Used Selling Price:** With f/3.5 Elmar, $52-$73.
**Serial Numbers:** Above 455,000 and below 562,000.

**Special Identification Points:** 1. Body measures 5⅜ in. in length instead of 5¼ in. as on Standard model; 2. Shutter speeds start at 1/30 instead of 1/20 sec. as on Standard; 3. No factory installed sync or film speed indicator dial; 4. No built-in range-finder.

## LEICA If

**Introduced:** 1952 **Discontinued:** 1957
**Shutter Speeds:** 1/25 or 1/30-1/500 (see note under "shutter" in IIIf section), B.
**Flash Sync:** Same as IIIf, *below*.
**Special Features:** Film speed indicator built into winding knob. Other features same as Standard model.
**Last List Price:** With 50mm f/3.5 Elmar and viewfinder, $139.50.
**Used Selling Price:** With f/3.5 Elmar, $80-$114.
**Serial Numbers:** Above 562,000.
**Special Identification Points:** 1. Factory installed sync and built-in film speed indicator; 2. No built-in rangefinder.

## LEICA II (D)

**Introduced:** 1932 **Discontinued:** 1940
**Shutter Speeds:** 1/20-1/500, B.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Coupled rangefinder. Other features same as Standard model.
**Last List Price:** With 50mm f/3.5 Elmar: black enamel finish, $196.80; chrome, $203.20.
**Used Selling Price:** With f/3.5 Elmar, $48-$70.
**Serial Numbers:** Above 71,500 and below 360,000.

**Special Identification Points:** 1. Coupled rangefinder; 2. No front slow shutter speed dial; 3. No lever for adjusting rangefinder as in Model III, *below*.

## LEICA IIc

**Introduced:** 1949 **Discontinued:** 1951
**Shutter Speeds:** 1/30-1/500, B.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Coupled rangefinder. Other features same as Model Ic.
**Last List Price:** With 50mm f/3.5 Elmar, $210.
**Used Selling Price:** With f/3.5 Elmar, $74-$106.
**Serial Numbers:** Above 440,000 and below 451,000.

**Special Identification Points:** 1. Body measures 5⅜ in. in length instead of 5¼ in. as on Model II; 2. Shutter speeds start at 1/30 instead of 1/20 as on II; 3. No factory installed sync or film speed indicator dial as on IIf, *below*.

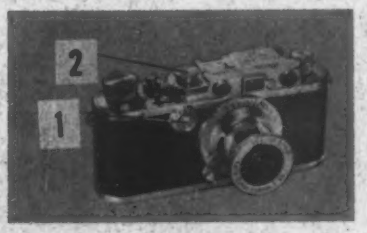
## LEICA IIf

**Introduced:** 1951 **Discontinued:** 1957
**Shutter Speeds:** 1/30 or 1/25-1/500 (see note under "shutter" in IIIf section), B. Latest version has speeds up to 1/1000.

**Special Features:** Coupled rangefinder. Other features same as Model If.
**Flash Sync:** Same as IIIf, *below*.
**Last List Price:** With following lenses: 50mm f/3.5 Elmar, $178.50; f/2 Summitar, $289; f/2 Summicron, $276.
**Used Selling Price:** With f/3.5 Elmar, $99-$130.
**Serial Numbers:** Above 551,000.
**Special Identification Points:** 1. Built-in film speed indicator.

## LEICA III (F)

**Introduced:** 1933 **Discontinued:** 1940
**Shutter Speeds:** 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Separate front slow shutter speed dial for additional slow shutter speeds down to 1 sec.; 1.5X magnifier built into rangefinder eyepiece; lever for adjusting rangefinder. Otherwise similar to Model II.
**Last List Price:** With 50mm f/2 Summitar: black enamel finish, $313; chrome, $320.
**Used Selling Price:** With f/3.5 Elmar, $60-$90.
**Serial Numbers:** Above 109,000 and below 360,000.

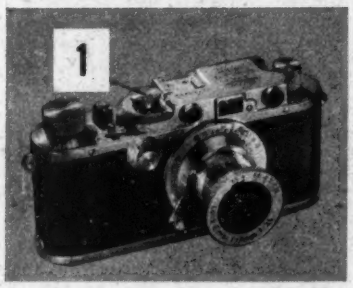



**Special Identification Points:** 1. Front slow shutter speed dial with settings from 1/20 down to 1 sec.; 2. Top shutter speed is only 1/500 sec.

## LEICA IIIa (G)

**Introduced:** 1935 **Discontinued:** 1938
**Shutter Speeds:** 1-1/1000, B, T.

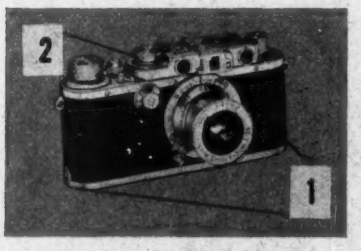
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Additional top shutter speed of 1/1000 sec. Other features same as Model III.




**Last List Price:** With 50mm f/2 Summar, $192.
**Used Selling Price:** With f/2 Summar, $60-$100; with f/2 Summitar, $105-$130.
**Serial Numbers:** Above 156,201 and below 240,016.
**Special Identification Points:** 1. Top shutter speed of 1/1000 sec.; 2. Rangefinder adjusting lever is located on rangefinder eyepiece instead of at base of rewind knob as on IIIb.

## LEICA "72"

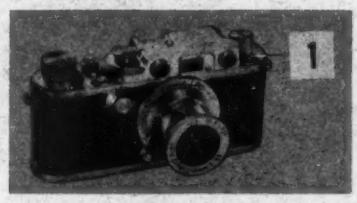
**Introduced:** 1954 **Discontinued:** 1957
**Film Size:** Up to 72 single frame (¾ x 1-in.) pictures on standard 35mm cartridge film (also accepts Leica cassettes).
**Flash Sync:** See IIIf (black dial), *below*.
**Note:** This model has the same proportions and features (except for the single frame picture format) as the Leica Model IIIa, plus film type indicator built into winding knob.
**Last List Price:** Less lens, $189; with 50mm f/3.5 Elmar lens, $246.
**Used Selling Price:** Not available.
**Serial Numbers:** Above 357,301 and below 357,500.




**Special Identification Points:** 1. Measures 5¼ in. in length; 2 Factory installed sync (synchro selector dial can easily be seen); 3. Only Leica which takes single frame pictures.

## LEICA IIIb (G, 1938)

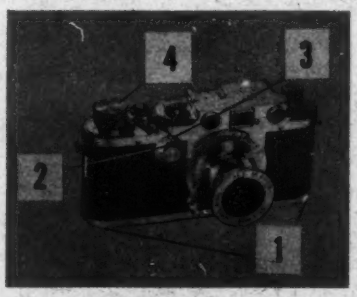
**Introduced:** 1938 **Discontinued:** 1940
**Shutter Speeds:** 1-1/1000, B, T.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Viewfinder and rangefinder eyepieces placed close together. Other features same as Model IIIa.
**Last List Price:** With 50mm f/2 Summitar, $332.80.
**Used Selling Price:** With f/2 Summitar, $115-$142; with f/3.5 Elmar, $85-$113.
**Serial Numbers:** Above 240,017 and below 360,000.




**Special Identification Points:** 1. Rangefinder adjusting lever is located at base of rewind knob; 2. Viewfinder and rangefinder eyepieces are closer together than on Model IIIa.

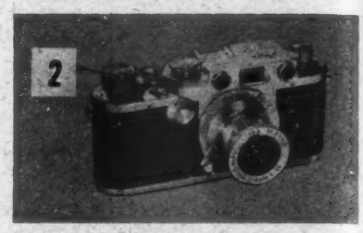
## LEICA IIIc

**Introduced:** 1940 **Discontinued:** 1950
**Shutter Speeds:** 1-1/1000, B, T.
**Flash Sync:** None. See note, beginning of Leica section.
**Special Features:** Roller bearings in shutter; improved exposure counter (moves by one division instead of making complete revolution when winding film). Other features same as Model IIIb.
**Last List Price:** With 50mm f/2 Summitar, $385.
**Used Selling Price:** With f/2 Summitar, $100-$140; with f/3.5 Elmar, $87-$124.
**Serial Numbers:** Above 360,000 and below 525,000.




**Special Identification Points:** 1. Body measures 5⅜ in. in length instead of 5¼ in. as on previous models; 2. Front slow speed dial markings start at 1/30 instead of 1/20 sec. as on IIIb; 3. Version made before 1949, with serial number below 380,000, had no locking stud on slow speed dial; later version, made after 1949, was supplied with locking stud; 4. No built-in film speed indicator.

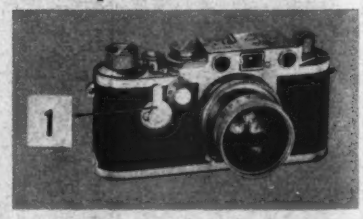
## LEICA IIIf (1950)




**Introduced:** 1950 **Discontinued:** 1954
**Shutter Speeds:** 1-1/1000, B, T.
**Note:** Initial production of f series Leica cameras (with synchro dials engraved in black) had same series of shutter speeds as corresponding c series models: fast speeds: 1/30, 1/40, 1/60, 1/100, etc.; slow speeds: 1/30, 1/20, 1/15, 1/10, 1/4, 1/2, 1 sec. Current f series cameras (with synchro dials engraved in red) have following shutter speeds; fast speeds: 1/25, 1/50, 1/75, 1/100, etc.; slow speeds: 1/25, 1/15, 1/10, 1/5, 1/2, 1 sec.
**Flash Sync:** X up to 1/30 (black dial model) or 1/50 (red dial model); FP bulbs at 1/100 and faster. Synchro selector dial adjusts flash delay.
**Special Features:** Film speed indicator built into winding knob. Other features same as Model IIIc.
**Last List Price:** With following lenses: 50mm f/3.5 Elmar, $237; f/2 Summitar, $369; f/2 Summicron, $336.
**Used Selling Price:** With f/2 Summicron $185-$230; with f/3.5 Elmar, $139-$170.
**Serial Numbers:** Above 525,000.
**Special Identification Points:** 1. Black dial on earlier models, red dial on later models; progression of shutter speeds; 2. Built-in film speed indicator.

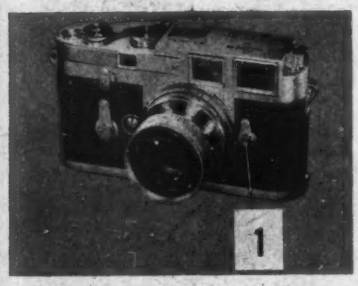
## LEICA IIIf (1954)

**Introduced:** 1954 **Discontinued:** 1957
**Note:** This model is exactly like the immediately preceding IIIf except that it has a built-in self timer.
**Last List Price:** With 50mm f/3.5 Elmar lens, $238.50; with 50mm f/2 Summicron, $336.
**Used Selling Price:** With f/2 Summicron, $195-$240.
**Serial Numbers:** Above 685,000.
**Special Identification Points:** 1. Self timer on front of camera, next to slow speed dial.



### LEICA M3

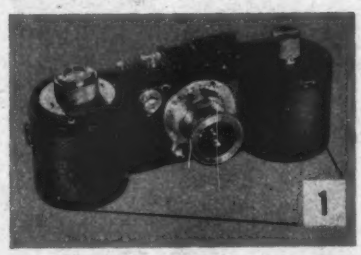
**Introduced:** 1954 (current model).
**Note:** The M3 is a completely new camera and bears little resemblance to other Leica models. It measures 3 in. high, 5⅞ in. long and 1½ in. deep.
**Film Size:** Same as other Leica models.
**Lens:** Interchangeable; bayonet mount (owners of earlier model Leicas can have their thread-mount lenses equipped with bayonet adapters for use on the M3). Standard lenses are 50mm f/3.5 Elmar M, 50mm f/2 Summicron M or 50mm f/1.5 Summarit M, all with click stops. Accessory lenses: 35mm f/3.5 Summaron M, 90mm f/4 Elmar M (in either rigid or collapsible mount), 135mm f/4.5 Hektor M.
**Shutter:** Focal-plane, 1-1/1000, B, ST. Speeds can be set on the single dial before or after shutter winding.
**Flash Sync:** X up to 1/50; FP bulbs at all speeds up to 1/1000 sec. Separate flash connections; delay set automatically as speed dial is rotated.




**Special Features:** Coupled rangefinder with single window for range-viewfinder; automatic parallax adjustment; large viewfinder image; built-in field of view for 50mm, 90mm and 135mm lenses (frames for 90mm and 135mm lenses automatically appear when lenses of corresponding focal length are installed on camera); exposure counter which resets automatically when camera is loaded; single shutter speed dial to which accessory M3 photoelectric exposure meter automatically couples; removable hinged back with improved pressure plate and film channel guides; film type indicator on camera back; double and blank exposure prevention; film transport coupled with shutter winding; rapid film advance lever; accessory shoe; self timer.
**Last List Price:** With 50mm f/3.5 Elmar M, $363; with 50mm f/2 Summicron M, $444; with 50mm f/1.5 Summarit M, $474.
**Used Selling Price:** With f/2 Summicron, $280-$325.
**Serial Numbers:** Above 700,001.
**Special Identification Points:** 1. Latest version has frame selector lever for selecting viewfinder frames for 90mm and 135mm lenses.

### LEICA 250 (FF)

**Introduced:** 1934 **Discontinued:** 1940
**Shutter Speeds:** 1-1/500, B, T.
**Flash Sync:** See note, beginning of Leica section.
**Special Features:** Accepts special magazines for taking up to 250 double frame pictures. Other features same as Model III.
**Last List Price:** With 50mm f/3.5 Elmar, $355.20.
**Used Selling Price:** With f/3.5 Elmar, $170-$201.
**Serial Numbers:** Above 130,000 and below 360,000.



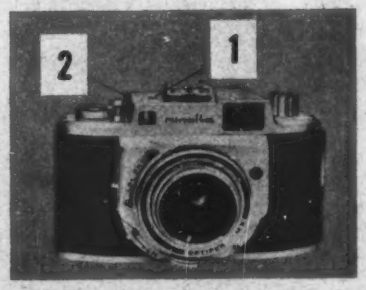

**Special Identification Points:** 1. Extra large dimensions to accomodate 250-exposure magazines.

## MINOLTA

**Manufacturer:** Chiyoda Kogaku Seiko Co., Ltd., Osaka, Japan.
**Distributor:** The FR Corp., 951 Brook Ave., New York 51, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films.

### MINOLTA A

**Introduced:** 1955 (current model).
**Lens:** 45mm f/3.5 Rokkor.
**Shutter:** Optiper MFX, 1-1/300, B.
**Flash Sync:** MFX.




**Special Features:** Coincidence type coupled rangefinder combined with viewfinder; rapid film advance lever coupled to shutter wind; accessory shoe; body shutter release; built-in depth of field scale.
**Last List Price:** $49.95.
**Used Selling Price:** $24-$38.
**Special Identification Points:** 1. "A" engraved on top of rangefinder housing; 2. Rapid film advance lever located on top of camera.

### MINOLTA 35, MODEL II

**Note:** An earlier, similar model may occasionally be seen in camera stores, although it was never directly imported into the U.S.A.
**Introduced:** 1935 (current model).
**Lens:** Interchangeable, by means of threaded lens mount. Standard lenses are 45mm f/2.8 or 50mm f/2 Super Rokkor. Accessory lenses are 110mm f/5.6 and 135mm f/4 Tele Rokkor.
**Shutter:** Focal-plane, 1-1/500, B, T, ST.
**Flash Sync:** For FP bulbs; X sync up to 1/25 sec.
**Special Features:** Coupled coincidence type rangefinder with single window for range-viewfinder; double exposure prevention; viewfinder adjustment for eyesight; accepts special cassettes for loading bulk film; accessory shoe; hinged back.
**Last List Price:** With 45mm f/2.8 Super Rokkor, $159.50; with 50mm f/2 Super Rokkor, $184.50.
**Used Selling Price:** With f/2.8 Super Rokkor, $85-$110.

**Special Identification Points:** 1. "Model II" engraved on front of camera; 2. Red "X" for X type sync engraved on slow speed dial.

## NIKON

**Manufacturer:** Nippon Kogaku K. K., Tokyo, Japan.
**Importer:** Nikon, Inc., 251 Fourth Ave., New York 10, N. Y.
**Film Size:** All models except Model 1 and Model M take up to 36 double frame (1 x 1½-in.) pictures. Model 1 takes up to 40 pictures 24 x 32mm; Model M takes up to 36 pictures 24 x 34mm. All models accept standard cartridges.
**Lens:** All models incorporate bayonet lens mounts for interchangeability of lenses; all factory coated; standard lens is 50mm f/2 Nikkor or 50mm f/1.4 Nikkor. Focal lengths from 25mm to 500mm are available.
**Shutter:** Cloth focal-plane.

### NIKON I

**Introduced:** 1948 **Discontinued:** 1949
**Shutter Speeds:** 1-1/500, B, T.
**Flash Sync:** None.
**Special Features:** Same as Model "S" (see description, *below*).
**Last List Price:** Not available.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. Exposure counter numbered past 40; 2. No flash sync.

### NIKON M

**Introduced:** 1949 **Discontinued:** 1952
**Shutter Speeds:** 1-1/500, B, T.
**Flash Sync:** None
**Special Features:** Same as Model "S" (see description *below*).
**Last List Price:** Not available.
**Used Selling Price:** Not available.
**Special Identification Points:** 1. Exposure counter numbered 0 to 36; 2. No flash sync.

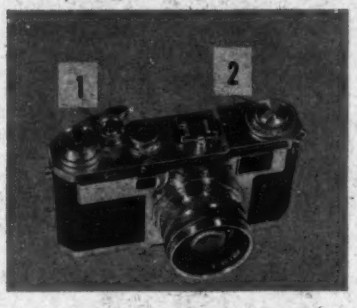
### NIKON "S"

**Introduced:** 1952 **Discontinued:** 1954
**Shutter Speeds:** 1-1/500, B, T.
**Flash Sync:** Two flash outlets: "S" is for X sync up to 1/20; "F" for FP bulbs, 1/40 and faster.
**Special Features:** Coupled long base rangefinder; single, dual purpose eyepiece for viewing and focusing; finger tip wheel for focusing 50mm and wide-angle lenses from top of camera; full opening back; interchangeable lenses; coupled film transport and shutter cocking; double exposure prevention; accepts full range of accessories; automatic exposure counter.
**Last List Price:** With 50mm f/2 Nikkor, $269; with 50mm f/1.4 Nikkor, $299.50.
**Used Selling Price:** With f/2 Nikkor, $110-$149.

**Special Identification Points:** 1. Top shutter speed 1/500; 2. Double prong synchro outlet, marked for electronic flash and for flashbulbs; 3. Camera back has two locks.

### NIKON S2

**Introduced:** 1955
**Shutter Speeds:** 1-1/1000, B, T.
**Flash Sync:** Single outlet on side for X at 1/50, FP bulbs 1/60 and faster. Sync selector dial sets delay. Outlet on top for special flashgun, FP bulbs.
**Special Features:** 1 to 1 life size image in range-viewfinder; single stroke lever for rapid film transport advances film and sets shutter for next exposure; high speed film rewind lever folds and rests flush in rewind knob; shutter speed can be set before or after film is wound.
**Last List Price:** With 50mm f/2 Nikkor, $299.50; with factory coated 50mm f/1.4 Nikkor, $345; with 50mm f/1.1 Nikkor, $494.50.
**Used Selling Price:** With f/2 Nikkor, $188-$215.




**Special Identification Points:** 1. Single stroke film wind and shutter cocking lever; 2. High speed film rewind lever which folds and sets flush in rewind knob; 3. No self timer.

## OLYMPUS

**Manufacturer:** Olympus Optical Co., Ltd., Tokyo, Japan.
**Importer:** Scopus-Brockway, Scopus Photographic Co., Inc., 404 Fourth Ave., New York 10, N. Y.
**Film Size:** Up to 36 double frame (1 x 1½-in.) pictures using standard 35mm cartridges.

### OLYMPUS 35SI-2.8

**Introduced:** 1956 **Discontinued:** 1957
**Lens:** 48mm f/2.8 Olympus E. Zuiko.
**Shutter:** Seikosha MFX, 1-1/500, B.
**Flash Sync:** MFX.
**Special Features:** Coupled rangefinder with single window for range-viewfinder; rapid film transport-shutter cocking lever; body shutter release; double exposure prevention; film type indicator; rapid film rewind crank; depth of field scale.
**Last List Price:** $69.95.
**Used Selling Price:** $36-$48.
**Special Identification Points:** 1. Two windows on front of camera (later models have extra window for bright frame finder).

## PRAKTINA

**Importer:** Standard Camera Corp., 319 Fifth Ave., New York 16, N.Y.
**Film Size:** Up to 36 double frame (1 x 1½-in.) pictures using standard 35mm cartridges (up to 420 pictures with accessory magazine).
**Lens:** Interchangeable, by means of recessed bayonet mount. Standard lenses, among others, are 50mm f/2.8 Carl Zeiss Jena Tessar; 55mm f/1.9 Steinheil Quinon; and 58mm f/2 Jena Biotar, all with automatic diaphragm. Accessory lenses range from 28mm to 400mm.
**Shutter:** Rubberized cloth focal-plane.

### PRAKTINA FX

**Introduced:** 1956 (current model).
**Shutter Speeds:** 1-1/1000, B, ST.
**Flash Sync:** X up to 1/25, FP bulbs at all speeds.
**Special Features:** Eye-level focusing prism viewfinder interchangeable with accessory waist-level or magnifying focusing eyepiece (adjustable for individual eyesight) viewfinders; separate direct optical finder; internal coupling for automatic diaphragm lenses; split-image rangefinder focusing with prism or waist-level finders; double and blank exposure prevention; removable back; body shutter release.
**Last List Price:** With following automatic diaphragm lenses: 55mm f/1.9 Quinon, $299.50; 58mm f/2 Biotar, $297.50; 50mm f/2.8 Tessar, $239.50.
**Used Selling Price:** Not available.
**Serial Numbers:** Not available.

**Special Identification Points:** 1. "Praktina FX" engraved on front of camera above lens mount; 2. Self timer; 3. Internal coupling for automatic diaphragm lenses.

## RICOH

**Manufacturer:** Riken Optical Industries, Ltd., Tokyo, Japan.
**Importer:** Riken Optical Industries, 521 Fifth Ave., New York, N. Y.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films.

### RICOH "35"

**Introduced:** 1955 (current model).

**Lens:** 45mm f/3.5 Ricomat.
**Shutter:** Riken, 1/10-1/200, B.
**Flash Sync:** FX.
**Special Features:** Coupled rangefinder with single eyepiece for view and rangefinder; rapid film advance trigger; built-in depth of field scale; double exposure prevention.
**Last List Price:** With flashgun and case, $59.95.
**Used Selling Price:** $30-$42.
**Special Identification Points:** 1. Ricoh "35" engraved on top of camera; 2. Shutter speeds to 1/200 sec.

### RICOH "500" (Original)

**Introduced:** 1956 **Discontinued:** 1957
**Lens:** 45mm f/2.8 Ricoh.
**Shutter:** Seikosha MXL, 1-1/500, B.
**Flash Sync:** MFX.
**Special Features:** Coupled rangefinder with single eyepiece for view and rangefinder; duo-lever focusing; single stroke rapid film advance trigger; double exposure prevention.
**Last List Price:** $69.95.
**Used Selling Price:** $35-$50.
**Special Identification points:** 1. No built-in Light Value Scale as in later, improved Ricoh "500"; 2. No folding film rewind crank.

## ROBOT

**Manufacturer:** Robot-Berning & Co., Dusseldorf, Germany.
**Importer:** Karl Heitz, Inc., 480 Lexington Ave., New York 17, N. Y.
**Film Size:** All models except Royal 36 (24 x 36mm) take 24 x 24mm (1 x 1-in.) pictures on 35mm film. Earlier models accept only special Robot loading and take-up cassettes (for up to 50 exposures); later models accept standard 35mm cartridge films (for up to 55 exposures).
**Lens:** All models incorporate threaded lens mounts for interchangeability of lenses (Robot Royal has clip-in thread; lenses which fit this model do not fit the other versions). Various lens manufacturers, including Hugo Meyer, Schneider and Carl Zeiss, have supplied lenses for the Robot; focal lengths range from 30mm to 150mm (200mm for Robot Royal).
**Shutter:** All models have rotary blade behind-lens, rapid sequence shutter.

### ROBOT I

**Introduced:** 1934 **Discontinued:** 1938
**Shutter Speeds:** 1-1/500, T.
**Flash Sync:** None. Not advisable to try to add sync.
**Special Features:** Built-in spring motor for transporting film, winding shutter and operating exposure counter simultaneously; 24 pictures

on one winding; zone focusing system; movable finder for direct and right-angle viewing; built-in yellow-green filter; lock for preventing accidental shutter release (in late version only). Note: Model I accepts darkroom-loading special Robot cassettes only. Two cassettes are used; the take-up cassette can be removed at any time for processing a partly exposed roll. Film cannot be rewound back into the film-loading cassette.
**Last List Price:** With 30mm f/3.5 Meyer Primotar, $109; with 32.5mm f/2.8 Zeiss Tessar, $139.
**Used Selling Price:** With f/2.8 Tessar, $34-$49.
**Special Identification Points:** 1. Only Robot model with slow shutter speed of 1 sec.; 2. No sync outlet on front; 3. Swiveling viewfinder; 4. Exposure counter calibrated from 1 to 24 (repeats itself for exposures 25 to 48, etc.).

### ROBOT II

**Introduced:** 1938 **Discontinued:** 1950
**Shutter Speeds:** 1-1/500, B.
**Flash Sync:** M up to 1/50. May be converted to X only.

**Special Features:** Adjustable viewer for direct or right-angle viewing (not movable, as in Model I); safety catch for shutter release; factory installed flash sync; uses Robot cassettes which can be loaded with daylight-loading refills; exposure counter is part of camera body and is calibrated from 1 to 55. Other features same as Model I, but does not have built-in filter. Note: This model was available with double spring for 48 pictures on one winding.
**Last List Price:** With 30mm f/3.5 Zeiss Tessar, $129; with 32.5mm f/2.8 Tessar, $144; with 40mm f/2 Zeiss Biotar, $184. Note: Above cameras with double spring motor sold for $28 extra.
**Used Selling Price:** With f/2 Biotar, $55-$80.
**Special Identification Points:** 1. Slow shutter speeds down to only ½ instead of 1 sec. as on Model I; 2. One flash contact on front of camera.

### LW ROBOT

**Note:** This model is very similar to Model II, but came only in black enamel finish. It was supplied only with a double spring motor for 48 pictures on one winding. Made for the German Air Force, only a limited number reached the market.
**Introduced:** 1940 **Discontinued:** 1945
**Flash Sync:** Same as Robot II.
**Last List Price:** Not available.
**Used Selling Price:** With f/2 Xenon, $40-$62.

**Special Identification Points:** 1. Came only in black finish; 2. "LW" precedes serial number, which is located inside camera body; 3. Extra long spring motor housing.

### ROBOT IIa

**Note:** This version was marketed in the U.S.A. by Burleigh Brooks, Inc. Introduced in 1951, it was taken off the American market in 1953.
**Shutter Speeds:** ½-1/500, B.
**Flash Sync:** MX.

**Special Features:** Accepts standard 35mm cartridges as well as special Robot cassettes; accessory shoe. Other features same as Model II. **Note:** Model IIa was available with double spring motor for 48 pictures on one winding.

**Last List Price:** With 37.5mm f/2.8 Schneider Xenar, $168.95; with 40mm f/1.9 Schneider Xenon, $209.50.
**Used Selling Price:** With f/1.9 Xenon, $82-$100.
**Special Identification Points:** 1. Double flash contacts on front of camera; 2. No rewind handle.

### ROBOT JUNIOR

**Note:** This is basically the same camera as Robot IIa, but does not have adjustment for right-angle viewing.
**Introduced:** 1955 (current model).
**Last List Price:** With 40mm f/3.5 Radionar, $93.06; with 38mm f/2.8 Xenar, $115.15; with 40mm f/1.9 Xenon, $140.07.
**Used Selling Price:** Not available.

**Special Identification Points:** 1. Robot Junior name plate; 2. No adjustment for right-angle viewing; 3. No rewind handles.

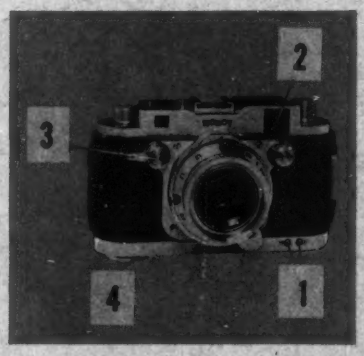
### ROBOT STAR

**Introduced:** 1952 (current model).
**Shutter Speeds:** ½-1/500, B.
**Flash Sync:** MX.
**Special Features:** Accepts standard 35mm cartridges (does not take special Robot loading cassette, but does accept take-up cassette); rewind handle for rewinding film back into cartridge. Other features same as Model IIa. Note: This model is available with double spring motor for 48 pictures on one winding at extra charge of $20.
**Last List Price:** With 38mm f/2.8 Xenar, $139; with 40mm f/1.9 Xenon, $159.
**Used Selling Price:** With f/2 Biotar, $95-$130.

**Special Identification Points:** 1. Rewind handle.

### ROBOT ROYAL 24

**Note:** This model's proportions and design differ considerably from those of previous models. It embodies several new features, including a coupled rangefinder.
**Introduced:** 1953 (current model).
**Lens:** Standard lenses are 30mm f/3.5 Schneider Xenagon; 38mm f/2.8 Xenar; or 40mm f/1.9 Xenagon. All of these lenses are coated and couple to the Royal's rangefinder. They have clip-in threads for quick interchangeability (cannot be used on earlier versions).
**Shutter Speeds:** ½-1/500, B.
**Flash Sync:** MX.
**Special Features:** Coupled rangefinder with combined view and rangefinder eyepiece; built-in spring motor for transporting film, winding shutter and operating exposure counter simultaneously; 24 pictures on one winding; additional setting for automatic sequence pictures at rate of 6 per second; film type indicator; simplified film loading; accepts standard 35mm cartridges; rewind knob for rewinding film back into cartridge; safety lock for preventing accidental exposure; tabletop support leg.
**Last List Price:** With 38mm f/2.8 Xenar, $249; with 40mm f/1.9 Xenon, $279.
**Used Selling Price:** With f/1.9 Xenon, $175-$205.




**Special Identification Points:** 1. Flash contacts located on front of camera's base plate; 2. Built-in rangefinder; 3. Selector dial for regular or automatic sequence pictures; 4. Spring motor winding knob.

### ROBOT ROYAL 36

**Film Size:** Up to 36 double frame (1 x 1½-in.) pictures using standard cartridge films or Robot cassettes.
**Introduced:** 1956 (current model).
**Lens:** Interchangeable, by means of clip-in threads (lens mount is same as on Robot 24). Standard lenses are coated 45mm f/2.8 Xenar or 50mm f/2 Sonnar. Accessory lenses are 35mm f/2.8 Xenagon or 75mm f/4 Tele-Xenar.
**Shutter Speeds:** ½-1/500, B.
**Flash Sync:** Same as Robot 24.
**Special Features:** Built-in spring motor for transporting film, winding shutter and operating exposure counter simultaneously for 12 pictures on one winding (unlike Robot 24, Robot 36 provides only single shot operation; there is no provision for automatic "burst" operation). Other features same as Robot 24.
**Last List Price:** With 45mm f/2.8 Xenar, $229; with 50mm f/2 Sonnar, $299.
**Used Selling Price:** Not available.

**Special Identification Points:** 1. Rectangular instead of square viewfinder window as on Robot 24; 2. "Robot 36" engraved on front of camera; 3. No automatic sequence selector dial.

## VOIGTLANDER

**Manufacturer:** Voigtlander A. G., Braunschweig, Germany.
**Importer:** H. A. Bohm & Co., 4761 W. Touhy Ave., Chicago 46, Ill.
**Film Size:** All models take up to 36 double frame (1 x 1½-in.) pictures using standard 35mm cartridges.

### VOIGTLANDER PROMINENT

**Introduced:** 1951 (current model).
**Lens:** Interchangeable, by means of bayonet lens mount. (The interchangeable lenses fit Prominent cameras with serial numbers higher than 8500 without special adjustment.) Standard lenses are coated 50mm f/3.5 Color-Skopar (no longer supplied); f/2 Ultron; and 50mm f/1.5 Nokton. Accessory lenses: 35mm f/3.5 Skoparon; 100mm f/4.5 Dynaron; 150mm f/4.5 Super-Dynaron; and 100mm f/5.5 Telomar with reflex housing.
**Shutter:** Behind-the-lens Synchro-Compur 0, 1-1/500, B, ST.
**Flash Sync:** Early version had X only; later ones have MX.
**Special Features:** Coupled coincidence type rangefinder; coupled film transport and shutter winding mechanism; double and blank exposure

prevention; exposure counter; device for changing partly exposed films; film indicator; built-in depth of field scale; body shutter release; accessory shoe (on latest model). Current model (introduced in 1957) has rapid wind film advance lever and brightline viewfinder.

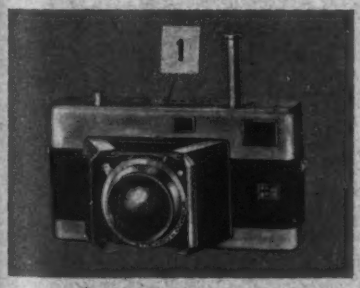
**Last List Price:** With 50mm f/3.5 Color-Skopar, $157.50; with f/2 Ultron, $229.50; with f/1.5 Nokton, $279.50.

**Used Selling Price:** With f/2 Ultron, $115-$140.

**Special Identification Points:** 1. Version supplied in early part of 1951 had Compur-Rapid shutter with X flash sync only; versions supplied in second half of 1951 and after have Synchro-Compur with MX flash sync; 2. Earliest version had no accessory shoe; latest versions come with accessory shoe; 3. Current version has rapid wind film advance lever and brightline viewfinder.

## VOIGTLANDER VITESSA (1950)

**Introduced:** 1950 **Discontinued:** 1951
**Lens:** 50mm f/2 Ultron.
**Shutter:** Compur-Rapid, 1-1/500, B.
**Flash Sync:** X.




**Special Features:** Quick action "Combi-Plunger" for cocking shutter, advancing film and operating exposure counter in one motion; coupled rangefinder with combined view and rangefinder eyepiece; body shutter release; automatic parallax compensation; double exposure prevention.

**Last List Price:** $157.50.

**Used Selling Price:** $55-78.

**Special Identification Points:** 1. No accessory shoe; 2. X sync only.

## VOIGTLANDER VITESSA (1951)

**Introduced:** 1951 **Discontinued:** 1954
**Lens:** 50mm f/2 Ultron.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** MX.
**Special Features:** Accessory shoe. Other features same as 1950 model.
**Last List Price:** $157.50.
**Used Selling Price:** $60-$90.
**Special Identification Points:** 1. MX sync; 2.No self timer.

## VOIGTLANDER VITESSA L

**Introduced:** f/2, 1954; f/2.8, 1955 (current model).
**Lens:** 50mm f/2 Ultron or f/2.8 Color-Skopar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.

**Special Features:** Shutter incorporates Light Value Scale cross coupled to lens diaphragm (as shutter speeds are changed, lens opening changes correspondingly, thus keeping relative exposures constant); built-in photoelectric exposure meter. Other features same as 1950 model.

**Last List Price:** With f/2 Ultron, $159.50; with f/2.8 Color-Skopar, $139.50.

**Used Selling Price:** With f/2 Ultron, $89-$109.

**Special Identification Points:** 1. Differentiated from previous models by having built-in exposure meter; 2. Further differentiated by having shutter with Light Value Scale; 3. Fixed, non-interchangeable lens mount.

## VOIGTLANDER VITESSA N

**Introduced:** 1954 (current model).
**Lens:** 50mm f/3.5 Color-Skopar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST. Earliest version did not have LVS; latest version has LVS.
**Flash Sync:** MX.
**Special Features:** Shutter (in current model) incorporates Light Value Scale; accessory shoe. Other features same as 1950 model.

**Last List Price:** $99.50.

**Used Selling Price:** No LVS, $54-$63.

**Special Identification Points:** 1. Comes only with f/3.5 lens; 2. Current version has LVS shutter.

## VOIGTLANDER VITO I

**Introduced:** 1939 **Discontinued:** 1950
**Lens:** 50mm f/3.5 Skopar or (in 1949 version) Color-Skopar.
**Shutter:** Prontor S, 1-1/300, B, ST; Compur, 1-1/300, B; or Compur-Rapid, 1-1/500, B.
**Flash Sync:** Early versions had none. Can add Type 1 (see *page BG-7*.) Later had X only.
**Special Features:** Hinged filter mount (in earliest version only); built-in depth of field scale; automatic exposure counter; shutter release bar; double and blank exposure prevention; zone focusing settings.
**Last List Price:** With Compur or Compur-Rapid shutter, $61.25; with Prontor S, $54.25.
**Used Selling Price:** With f/3.5 Skopar and Prontor S, $21-$32.
**Special Identification Points:** 1. Shutter release bar instead of round plunger.

## VOIGTLANDER VITO II

**Introduced:** 1950 **Discontinued:** 1955
**Lens:** 50mm f/3.5 Color-Skopar.
**Shutter:** Prontor S, SV or (in last model) SVS, 1-1/300, B, ST; Compur-Rapid or Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** Those with Prontor S or Compur-Rapid have X only; with Prontor SV, SVS or Synchro-Compur, MX.

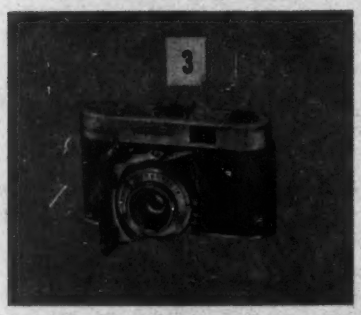
**Special Features:** Device for changing partly exposed films; round shutter release plunger. Other features same as later version of Vito I.

**Last List Price:** With Prontor SVS, $54.50; with Compur-Rapid or Synchro-Compur, $61.25.

**Used Selling Price:** With Compur-Rapid, $31-$40.
**Special Identification Points:** 1. Round shutter release plunger instead of bar; 2. No built-in rangefinder; 3. Version introduced in 1951 has fixed film take-up spool.

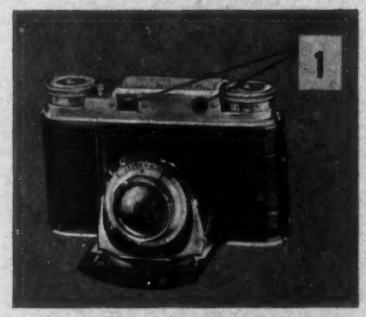
### VOIGTLANDER VITO IIa

**Introduced:** 1955 (current model).
**Lens:** 50mm f/3.5 Color-Skopar.
**Shutter:** Prontor SVS-L or SVS (on early version), 1-1/300, B, ST, or Pronto, 1/25-1/200, B, ST.
**Flash Sync:** MX in Prontors; X at all speeds in Pronto.
**Special Features:** LVS (in latest revision); Rapid film advance lever; pull-out film rewinding knob; accessory shoe. Other features same as Vito II.
**Last List Price:** With Prontor SVS-L, $54.50; with Pronto, $45.50.
**Used Selling Price:** $29-$36.




**Special Identification Points:** 1. Pull-up rewind knob; 2. Rapid film advance lever; 3. Accessory shoe; 4. Latest version has LVS.

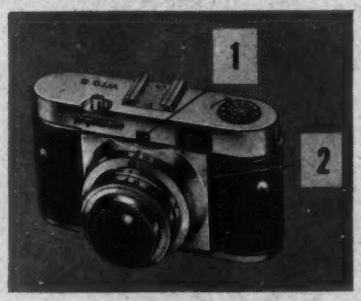
### VOIGTLANDER VITO III




**Introduced:** 1951 **Discontinued:** 1954
**Lens:** 50mm f/2 Ultron.
**Shutter:** Compur-Rapid or (last model) Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** Same as Vito II.
**Special Features:** Coupled rangefinder with single eyepiece for range-viewfinder; film type indicator. Other features same as later version of Vito II.
**Last List Price:** With Synchro-Compur, $157.50.
**Used Selling Price:** $75-$105.
**Special Identification Points:** 1. Coupled rangefinder.

### VOIGTLANDER VITO B

**Introduced:** 1954 (current model).
**Lens:** 50mm f/3.5 or f/2.8 (discontinued 1958) Color-Skopar.




**Shutter:** With f/3.5 lens: Pronto, 1/25-1/200, B, ST; or Prontor SVS-L (SVS in early version), 1-1/300, B, ST. With f/2.8 lens: Prontor SVS-L (SVS in early version).
**Flash Sync:** With Pronto shutter, X only. With Prontors, MX.
**Special Features:** LVS (in latest version only); built-in depth of field scale; rapid film winder; body shutter release; automatic exposure counter; zone focusing settings; film winding coupled to shutter cocking; double and blank exposure prevention; accessory shoe; 1958 f/3.5 version has 1:1 bright frame viewfinder.
**Last List Price:** With f/3.5 lens: with Pronto shutter, $45.50; with Prontor SVS-L, $59.50. With f/2.8 lens and Prontor SVS-L (SVS in early version), $59.50.
**Used Selling Price:** With f/3.5 lens and Pronto shutter, $24-$31.
**Special Identification Points:** 1. Exposure counter located on front of camera; 2. Rigid lens mount instead of bellows as in other Vito models; 3. No built-in exposure meter; 4. Latest versions have LVS; 5. 1958 version has 1:1 bright frame viewfinder.

## REFLEX CAMERAS, 2¼x2¼ AND SMALLER SIZES

ROLL FILM reflex cameras have maintained consistent popularity among photographers who enjoy working with the comfortable-sized negative—large enough to be cropped easily, small enough to be economical. Among color photographers, too, the small reflex has its staunch supporters—both those who utilize the full transparency and those who choose to mask down to super slide size. The ease of viewing and framing on the bright ground glass, the latitude which the negative size allows, and new automatic features with which some models rival the operating speed of 35mm assure the continued popularity of the small reflex camera.

## ANSCO

**Manufacturer:** Ansco, 40 Charles St., Binghamton, N. Y.
**Film Size:** All models take 12 pictures 2¼ x 2¼ on 120 film.

### AUTOMATIC REFLEX (1947)

**Introduced:** 1947 **Discontinued:** 1952
**Lens:** 83mm f/3.5 Ansco.
**Shutter:** Ansco, 1-1/400, B.
**Flash Sync:** None. Can add Type 1 X (sync). See *page BG-7*.
**Special Features:** Eye-level focusing; built-in magnifying lens for critical focus; automatic film transport and exposure counter; double exposure prevention.
**Last List Price:** $175.
**Used Selling Price:** $48-$70.
**Special Identification Points:** 1. No factory installed sync.

### AUTOMATIC REFLEX (1949)

**Introduced:** 1949 **Discontinued:** 1952
**Note:** This camera is the same as the 1947 version, except for sync.

**Flash Sync:** Class F bulbs, 1/50 to 1/400; M up to 1/25. Can be changed to Type 1 (X sync). See *page BG-7*.
**Last List Price:** $195.
**Used Selling Price:** $55-$82.
**Special Identification Points:** 1. Factory installed sync.

# ARGUS

**Manufacturer:** Argus Cameras, Div. of Sylvania Electric Products Inc., 405 Fourth St., Ann Arbor, Mich.
**Film Size:** All models take 12 pictures 2¼ x 2¼ on 620 film (Model E accepts either 120 or 620 film).

## ARGOFLEX E

**Introduced:** 1940 **Discontinued:** 1948
**Lens:** 75mm f/4.5 Varex. Argoflex Model E cameras made after July 1946 came with coated Varex lenses.
**Shutter:** Alphax, 1/10-1/200, B, T.
**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.
**Special Features:** Ground glass focusing; built-in magnifier; sportsfinder; built-in depth of field scale.
**Last List Price:** $61.12.
**Used Selling Price:** $13-$20.
**Serial Numbers:** 750,501 to 896,721.

**Special Identification Points:** 1. Plastic body.
**Note:** Model CEW, known as the Wardflex, was made by Argus but sold by Montgomery Ward. It bears the same serial numbers as Model E, but has these differences: 1. f/6.3 instead of f/4.5 lens; 2. "Wardflex" marked on front of camera body.

## ARGOFLEX EM

**Introduced:** 1948 **Discontinued:** 1948
**Lens:** 75mm f/4.5 Varex.
**Shutter:** Alphax, 1/10-1/200, B, T.
**Flash Sync:** None. Same as Model E.
**Special Features:** Metal body. Other features same as Model E.
**Last List Price:** $64.40.
**Used Selling Price:** $20-$33.
**Serial numbers:** 10,439 to 13,591.
**Special Identification Points:** 1. Has metal body; 2. No factory installed sync.

## ARGOFLEX EF

**Introduced:** 1948 **Discontinued:** 1951
**Lens:** 75mm f/4.5 Varex.
**Shutter:** Alphax, 1/10-1/200, B, T.
**Flash Sync:** M up to 1/25 F type bulbs (SM, SF) at all speeds.
**Special Features:** Same as Model EM.
**Last List Price:** $58.74.
**Used Selling Price:** $21-$33.
**Serial Numbers:** 2,506 to 30,520.
**Special Identification Points:** 1. Flash sync.

# EXAKTA

**Manufacturer:** Ihagee Kamerawerk A. G., Dresden, Germany.
**Importer:** Exakta Camera Co., 705 Bronx River Rd., Bronxville 8, N.Y.

## VEST POCKET EXAKTAS

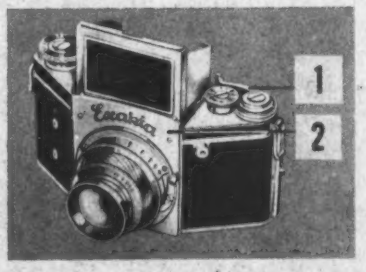
The following four cameras are known as the Vest Pocket Exaktas.
**Film Size:** All models take 8 pictures 2½ x 1⅝ in. on 127 film.
**Lens:** All models except Exakta Junior incorporate threaded lens mounts for interchangeability of lenses. Lenses for the V.P. Exaktas were supplied without focusing mounts since the camera lens mount has a built-in helical focusing mount. Standard lens was 75mm f/3.5 Zeiss Tessar or Schneider Xenar; 75mm f/2.8 Tessar or Xenar; 80mm f/2 Biotar or Xenon; or 75mm f/3.5 Exaktar or Ihagee.
**Shutter:** All models have focal-plane shutter.
**Flash Sync:** Type 1 (X sync) can be added to any Exakta listed which does not have this type. See *page BG-7* for details.

## EXAKTA A

**Note:** This model is the same as Exakta B, *below*, except for the shutter. Model A has 1/25-1/1000, B, T. No ST.
**Introduced:** 1936 **Discontinued:** 1945
**Flash Sync:** Same as Model B, *below*, except for a few from earliest production which had none. Type 1 (X sync) and/or Type 2 (with FP bulbs) can be added to these.
**Last List Price:** Not available.
**Used Selling Price:** With f/3.5 Tessar, $33-$49.
**Special Identification Points:** 1. Was supplied only in black enamel finish; 2. No delayed action; 3. No slow speed dial.

## EXAKTA B

**Introduced:** 1937 **Discontinued:** 1945
**Shutter Speeds:** 12-1/1000, B, T, ST (from 6 to 1/1000).
**Flash Sync:** For FP bulbs; M up to 1/25.
**Special Features:** Film transport and shutter winding connected; sportsfinder; eye-level focusing; built-in magnifier.
**Last List Price:** Not available.
**Used Selling Price:** With f/2 Biotar, $74-$91.




**Special Identification Points:** 1. Early version had film transport knob; later version had film transport lever; 2. Early version came only in black enamel finish; later version was supplied with chrome finish.

## EXAKTA JUNIOR

**Introduced:** 1936 **Discontinued:** 1945
**Lens:** 75mm f/4.5 Anastigmat.
**Shutter Speeds:** 1/25-1/1000, B, T. No ST.
**Flash Sync:** Same as Model B.
**Special Features:** Other features same as Exakta A, but did not have interchangeable lens mount.
**Last List Price:** Not available.
**Used Selling Price:** With f/3.5 Ihagee, $21-$35.

### EXAKTA C

**Note:** This model is the same as Exakta B, with the addition of a plate back adapter, for using plates or cut film with rear ground glass focusing. When the plate back is used, the reflex finder cannot be used for focusing or viewfinding.
**Introduced:** 1937 **Discontinued:** 1945
**Last List Price:** Not available.
**Used Selling Price:** With f/2.8 Tessar, $55-$77.
**Special Identification Points:** 1. Only V. P. Exakta with provision for using plate back.

### "SQUARE" EXAKTA

**Note:** This camera has the same shape as Exakta A, B, etc., but is considerably larger.
**Introduced:** 1937 **Discontinued:** 1938
**Film Size:** 12 pictures 2¼ x 2¼ on 120 film.
**Lens:** Interchangeable; bayonet mount. Standard lenses were 80mm f/3.5 Zeiss Tessar or 85mm f/3.5 Ihagee Anastigmat. Note: This camera was introduced just prior to the war; therefore no auxiliary lenses or special attachments have ever been supplied for it.
**Shutter Speeds:** 12-1/1000, B, T, ST (from 6 to 1/1000).
**Flash Sync:** Same as Model B.
**Special Features:** Coupled film transport and shutter wind; sportsfinder; factory installed flash sync; exposure counter.
**Last List Price:** Not available.
**Used Selling Price:** With f/2.8 Tessar, $75-$97.
**Special Identification Points:** 1. Film transport lever situated on bottom of camera; 2. Same shape as previous Exaktas, but considerably larger.

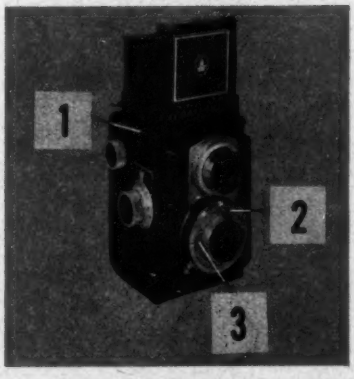
### EXAKTA 66

**Introduced:** 1954 (current model).
**Film Size:** 12 pictures 2¼ x 2¼ on 120 film.
**Lens:** Interchangeable; bayonet mount. Standard lens is 80mm f/2.8 Zeiss Tessar with preset diaphragm and built-in lens hood. Accessory lenses are available from 56mm to 400mm.
**Shutter Speeds:** 12-1/1000, B, T, ST (from 6 to 1/1000).
**Flash Sync:** Time delay adjustable 0 to 20 milliseconds. X type up to 1/50, FP bulbs at all speeds.
**Special Features:** Coupled film transport and shutter cocking; removable back with indentation for finger-hold; sportsfinder; removable reflex finder hood.
**Last List Price:** With 80mm f/2.8 Tessar (preset diaphragm), $319.50
**Used Selling Price:** With f/2.8 Tessar, $170-$200.
**Special Identification Points:** 1. Easily distinguishable from previous Exakta models by square shape; 2. Controls are located on side instead of top of camera.

## GRAFLEX

**Manufacturer:** Graflex, Inc., 3750 Monroe Ave., Rochester 3, N. Y.
**Film:** All models take 12 pictures on 120 film.

### GRAFLEX "22" MODEL 200




**Introduced:** 1952 **Discontinued:** 1957
**Lens:** 85mm f/3.5 Graftar.
**Shutter:** Century, 1/10-1/200, B, T.
**Flash Sync:** M up to 1/25, F to 1/100, X at all speeds.
**Special Features:** MFX sync; built-in magnifier; field lens; built-in depth of field scale; sportsfinder; self-closing ruby window; shoe contact for flash.
**Last List Price:** $74.50.
**Used Selling Price:** $40-$54.
**Special Identification Points:** 1. Until July 1953, was supplied only with black metal trim; after July 1953, came only in bright metal trim 2. Century shutter; 3. MFX flash sync.

### GRAFLEX "22" MODEL 400

**Introduced:** 1952 **Discontinued:** 1956
**Note:** This model is identical to Model 200 except for the shutter. Model 400 has a Graphex, 1-1/400, B, T.
**Flash Sync:** M up to 1/25, F to 1/100, X at all speeds.
**Last List Price:** $94.50.
**Used Selling Price:** $60-$78
**Special Identification Points:** 1. See No. 1 for Model 200.

### GRAFLEX "22" MODEL 400F

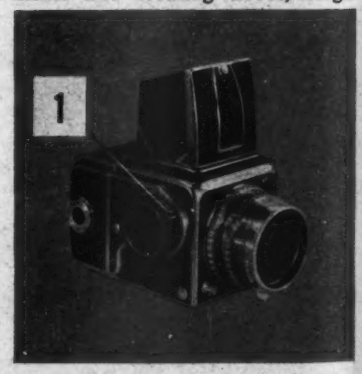
**Introduced:** 1952 **Discontinued:** 1955
**Note:** This model is identical to Model 400 except for the following differences: 1. Lens is 83mm f/3.2 Optar; 2. Flash sync is fully adjustable.
**Flash Sync:** MFX at all speeds, with adjustable time delay.
**Last List Price:** $156.50.
**Used Selling Price:** $64-$83.
**Special Identification Points:** 1. See No. 1 for Model 200.

## HASSELBLAD

**Manufacturer:** Victor Hasselblad Aktieboleg, Goteborg, Sweden.
**Importer:** Paillard Inc., 100 Sixth Ave., New York 13, N. Y.
**Film Size:** 12 pictures 2¼ x 2¼ using 120 roll film. Also takes 16 pictures 1 5/8 x 2 1/4 using accessory film magazine. 6.5 x 6.5cm sheet film can be used with accessory adapter back.

### HASSELBLAD 1600F

**Introduced:** 1948 **Discontinued:** 1954
**Lens:** Interchangeable. Standard lens is 80mm f/2.8 Ektar preset. Accessory lenses are Ektars from 55mm to 254mm, Sonnar 250mm f/4, and others.
**Shutter:** Focal-plane, 1-1/1600, B.
**Flash Sync:** FP at all speeds; M or X at 1-1/25.
**Special Features:** Single-lens reflex focusing; interchangeable film magazines and focusing hoods; single




knob for shutter cocking and film transport; exposure counter; film type indicator.
**Last List Price:** With 80mm f/2.8 Ektar, $499.50.
**Used Selling Price:** With 80mm

f/2.8 Ektar, $200-$240.
**Special Identification Points:** 1. Top shutter speed of 1/1600.

### HASSELBLAD 1000F

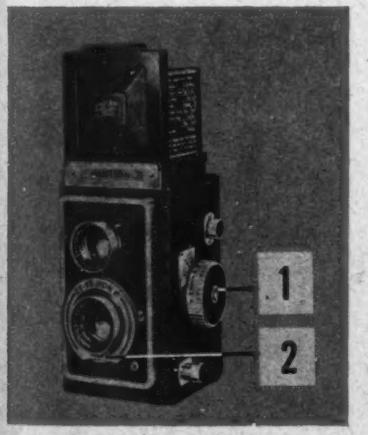
**Note:** This camera is similar to the 1600F, but has top shutter speed of 1/1000 instead of 1/1600. Currently, standard lens is 80mm f/2.8 Tessar preset. Accessory lenses are Zeiss, 38mm to 250mm; Ektar 135mm; Dallmeyer 508mm.
**Introduced:** 1953 (current model).
**Last List Price:** With 80mm f/2.8 Tessar, $379.50.
**Used Selling Price:** With f/2.8 Ektar, $215-$250.
**Special Identification Points:** 1. Top shutter speed of 1/1000.

## IKOFLEX

**Manufacturer:** Zeiss Ikon A. G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Film Size:** All models take 12 pictures 2¼ x 2¼ on 120 film.

### IKOFLEX I (1938)

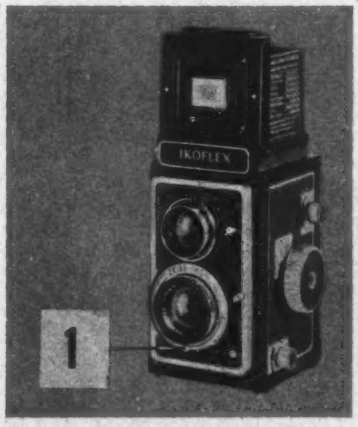
**Introduced:** 1938 **Discontinued:** 1950
**Lens:** 75mm f/3.5 Novar or 75mm f/3.5 Tessar.
**Shutter:** Until 1939, came with Compur, 1-1/300, B; after 1939, came with Klio, 1-1/250, B.
**Flash Sync:** None. With Klio shutter, add Type 1 (X sync) only; with Compur, add Type 1 or 2 (M bulbs) See *page BG-7*.




**Special Features:** Built-in magnifier; parallax correction; double exposure prevention; built-in depth of field scale; body shutter release.
**Last List Price:** With Compur shutter and Novar lens, $72; with Klio shutter and Novar lens, $99; with Klio shutter and Tessar lens, $120.
**Used Selling Price:** With f/3.5 Tessar, $30-$49.
**Special Identification Points:** 1. Knob focusing, instead of lever focusing as on earlier version; 2. Compur or Klio shutter.

### IKOFLEX Ia

**Introduced:** 1952 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Novar or Tessar.
**Shutter:** Prontor SV, 1-1/300, B, ST.
**Flash Sync:** MX.
**Special Features:** "Extrabrite" focusing screen; sportsfinder; magnifier; automatic exposure counter; automatic film stop; body shutter release; double exposure prevention.
**Last List Price:** With Novar lens, $76; with Tessar, $96.
**Used Selling Price:** With f/3.5 Tessar, $47-$66.




**Special Identification Points:** 1. Supplied with Prontor shutter; 2. Does not have folding shutter release as on Model Ib.

### IKOFLEX Ib

**Note:** This is an improved version of the earlier Ikoflex Ia. Differences are: anti-reflection baffling in interior; magnifying lenses on shutter speed and diaphragm windows; focusing hood opens and closes in single action; folding body shutter release; Prontor SVS instead of SV shutter.
**Introduced:** 1956 (current model).
**Flash Sync:** Same as Ikoflex Ia.
**Last List Price:** With Novar lens, $99; with Tessar (current model comes only with Novar), $119.
**Used Selling Price:** With Tessar lens, $58-$79.
**Special Identification Points:** 1. Differentiated from Ikoflex Ia by having folding shutter release; 2. Differentiated from Ikoflex Ic by not having built-in exposure meter; 3. Model with Tessar lens discontinued in 1957.

### IKOFLEX Ic

**Note:** This model is the same as Ikoflex Ib, but has a built-in photoelectric exposure meter.
**Introduced:** 1956 (current model).
**Last List Price:** With Novar lens, $126; with Tessar, $146.
**Used Selling Price:** With Tessar lens, $78-$100.

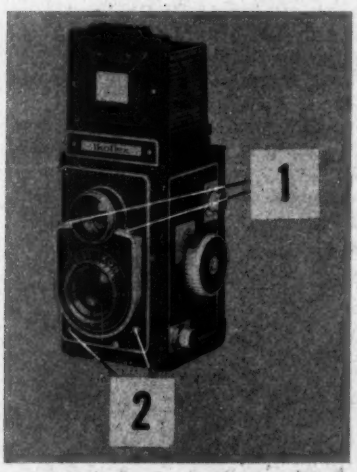
**Special Identification Points:** 1. Built-in exposure meter.

### IKOFLEX II

**Introduced:** 1937 **Discontinued:** 1939
**Lens:** 75mm f/3.5 Zeiss Tessar.
**Shutter:** Compur-Rapid, 1-1/500, B.
**Flash Sync:** None. Same as Model I.
**Special Features:** Built-in magnifier; automatic film counter; automatic film stop; sportsfinder; double exposure prevention.
**Last List Price:** $116.
**Used Selling Price:** $45-$60
**Special Identification Points:** 1. Early version had lever focusing; later version had knob focusing; 2. Exposure counter; 3. F/3.5 Tessar lens.

### IKOFLEX IIa (1950)

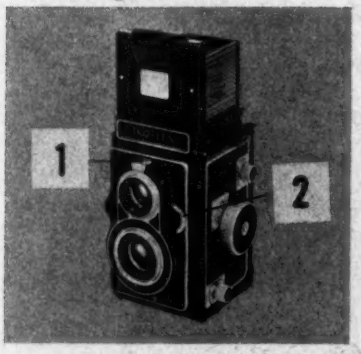
**Introduced:** 1950 **Discontinued:** 1952
**Lens:** 75mm f/3.5 Tessar.
**Shutter:** Sompur-Rapid, 1-1/500, B.
**Flash Sync:** X.
**Special Features:** Exposure counter; condenser lens under ground glass; automatic film stop; sportsfinder;




double exposure prevention; built-in magnifier; body shutter release.
**Last List Price:** $164.
**Used Selling Price:** $57-$78
**Special Identification Points:** 1. Peep windows on each side of viewing lens; 2. F-stops and shutter speeds set by levers instead of knurled wheels as on later version.

### IKOFLEX IIa (Last model)

**Introduced:** 1953 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Tessar.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** MX.
**Special Features:** "Extrabrite" focusing screen; film transport coupled to shutter cocking; exposure counter knurled wheels for setting f-stops and shutter speeds; sportsfinder; built-in magnifier; body shutter release.
**Last List Price:** $126.
**Used Selling Price:** $70-$90.




**Special Identification Points:** 1. Peep window located over viewing lens mount; 2. Knurled wheels located at sides of lens mount; 3. No LVS.

### IKOFLEX III

**Introduced:** 1939 **Discontinued:** 1940
**Lens:** 80mm f/2.8 Zeiss Tessar.
**Shutter:** Compur-Rapid 1-1/400, B, ST.
**Flash Sync:** None. Same as Model 1.
**Special Features:** Built-in magnifier, parallax correction; built-in Albada sportsfinder; lever crank film transport coupled to shutter cocking exposure counter; body shutter release.
**Last List Price:** $219.
**Used Selling Price:** $64-$86.

**Special Identification Points:** 1. Only Ikoflex model with film transport crank lever; 2. Only Ikoflex model supplied with Albada sportsfinder; 3. Made only with f/2.8 lens.

## MINOLTA

**Manufacturer:** Chiyoda Kogaku Seiko Co., Ltd., Osaka, Japan.
**Distributor:** The FR Corp., 951 Brook Ave., New York 51, N. Y.
**Film Size:** All models take 12 pictures 2¼ x 2¼ on 120 film.

### MINOLTACORD

**Introduced:** 1954 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Promar SIII.
**Shutter:** Optiper MXS, 1-1/400, B, ST.
**Flash Sync:** MX.

**Special Features:** Lever operated film transport; automatic film stop; lever focusing; automatic film counter; built-in magnifier; sportsfinder; body shutter release; accessory shoe.
**Last List Price:** $69.50.
**Used Selling Price:** $39-$49.
**Special Identification Points:** 1. Shutter cocking lever; 2. Promar instead of Rokkor lens as in Minolta Autocord.

### MINOLTA AUTOCORD I-O

**Introduced:** 1955 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Rokkor.
**Shutter:** Optiper MXS, 1-1/400, B, ST.
**Flash Sync:** MX.
**Special Features:** Film transport coupled to shutter cocking (double exposure prevention); provision for intentional double exposure. Other features same as Minoltacord.
**Last List Price:** $99.50.
**Used Selling Price:** $51-$68.

**Special Identification Points:** 1. Differentiated from Minolta Autocord Models I-S and L by having Optiper instead of Seikosha shutter; 2. No Light Value Scale.

### MINOLTA AUTOCORD I-S

**Introduced:** 1956 (current model).
**Lens:** 75mm f/3.5 Rokkor.
**Shutter:** Seikosha MFX, 1-1/500, B.
**Flash Sync:** MFX.

**Special Features:** Shutter incorporates LVS single number exposure system, but without cross coupling of shutter and lens diaphragm (operation depends on addition of two

numbers, one from shutter speed control scale located to left of lens, one from f-number control scale located to right of lens); condenser lens under ground glass; shutter set signal. Other features same as Minolta Autocord I-O.
**Last List Price:** $99.50.
**Used Selling Price:** $55-$74.
**Special Identification Points:** 1. Differentiated from Minolta Autocord I-O by having Seikosha instead of Optiper shutter; 2. Further differentiated by having LVS single number exposure system.

### MINOLTA AUTOCORD L

**Note:** This camera is the same as Minolta Autocord I-S, but has a built-in photoelectric exposure meter.
**Introduced:** 1956 (current model).
**Last List Price:** $124.50.
**Used Selling Price:** $59-$80.

**Special Identification Points:** 1. Built-in exposure meter.

## ROLLEICORD

**Manufacturer:** Franke & Heidecke, Braunschweig, Germany.
**Importer:** Burleigh Brooks, Inc., 10 W. 46 St., New York 36, N. Y.
**Film Size:** All models of Rolleicord take 12 pictures 2¼ x 2¼ on 120 film. Model Va has system of interchangeable counter mechanisms and masks for total of 5 formats (see Model Va description).

### ROLLEICORD I

**Introduced:** 1933 **Discontinued:** 1935
**Lens:** 75mm f/4.5 Zeiss Triotar. Version introduced in 1934 had f/3.8 Triotar.
**Shutter:** Compur, 1-1/300, B, T.
**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.
**Special Features:** Exposure counter (1st exposure must be set in red window); sportsfinder; built-in magnifier.

**Last List Price:** $57.50.
**Used Selling Price:** With f/3.8 Triotar, $22-$30.
**Serial Numbers:** None.
**Special Identification Points:** 1. Before 1934, came only with all nickel plated body; after 1934, was supplied only with leather covered body; 2. No automatic film stop; 3. Only Rolleicord with exposure counter on left side of camera.

### ROLLEICORD IA

**Introduced:** 1935 **Discontinued:** 1941
**Lens:** 75mm f/4.5 or f/3.8 Triotar.
**Shutter:** Compur, 1-1/300, B, T.
**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.
**Special Features:** Accepts plate and 35mm film adapters. Other features same as Rolleicord I, 1934 version.
**Last List Price:** $91.
**Used Selling Price:** With f/4.5 Triotar, $17-$27.

**Special Identification Points:** 1. Automatic film stop; 2. Rim set shutter.

### ROLLEICORD II

**Introduced:** 1938 **Discontinued:** 1951
**Lens:** 75mm f/3.5 Triotar. Version introduced in 1950 has factory coated f/3.5 Triotar or Xenar lens.
**Shutter:** Compur, 1-1/300, B, T. Version introduced in 1945 had Compur-Rapid, 1-1/500, B; version introduced in 1950 had same shutter and flash sync.
**Flash Sync:** X.
**Special Features:** Bayonet mount for lens accessories (early versions had bayonet mount on taking lens only, later versions on both viewing and taking lenses); eye-level focusing. Other features same as Model IA.
**Last List Price:** With uncoated Triotar f/3.5 lens and either Compur or Compur-Rapid shutter, $118; with coated Triotar lens in flash sync Compur-Rapid, $140; with coated Xenar lens in flash sync Compur-Rapid, $160.
**Used Selling Price:** With f/3.5 Triotar, $32-$47.
**Serial Numbers:** 612,000 to 1,135,999.

**Special Identification Points:** 1. Eye-level focusing; 2. Film window; 3. From 1939 to 1950, came without flash sync.

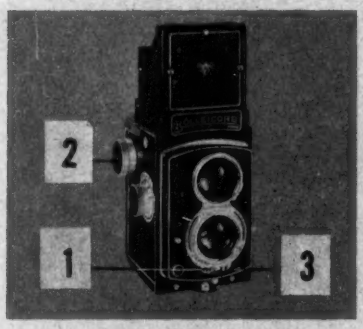
### ROLLEICORD III

**Introduced:** 1950 **Discontinued:** 1953
**Lens:** 75mm f/3.5 Triotar or Xenar.
**Shutter:** Compur-Rapid, 1-1/500, B.
**Flash Sync:** X.

**Special Features:** Built-in magnifier covering entire ground glass image; automatic film feeding (not necessary to set 1st exposure in red window, which is eliminated). Other features same as Model II.
**Last List Price:** With Triotar lens, $139.50; with Xenar, $149.50.
**Used Selling Price:** With f/3.5 Xenar, $55-$79.
**Serial Numbers:** 1,137,000 to 1,344,050.
**Special Identification Points:** 1. First Rolleicord without film window; 2. Back latch has safety lock.

### ROLLEICORD IV

**Introduced:** 1953 **Discontinued:** 1955
**Lens:** 75mm f/3.5 Xenar.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** MX.
**Special Features:** Double and blank exposure prevention; provision for intentional double exposures; anti-reflection baffling in interior. Other features same as Model III.
**Last List Price:** $149.50 (incl. case).
**Used Selling Price:** $61-$89.
**Serial Numbers:** 1,344,051 to 1,390,999.




**Special Identification Points:** 1. First Rolleicord with MX selection lever; 2. No release button in film transport knob; 3. Cable release socket positioned beneath taking lens.

### ROLLEICORD V

**Introduced:** 1955 **Discontinued:** 1957
**Lens:** 75mm f/3.5 Xenar.
**Shutter:** Synchro-Compur LVS, 1-1/500, B, ST.

**Flash Sync:** MX.
**Special Features:** Shutter incorporates Light Value Scale cross coupled to lens diaphragm (as shutter speeds are changed, lens opening changes correspondingly, thus keeping relative exposures constant); factory installed flash sync; double and blank exposure prevention with provision for making intentional double exposures; large focusing knob with built-in film speed indicator; built-in depth of field scale; 2.5 times viewing magnifier; sportsfinder; automatic parallax compensation; automatic exposure counter; Light Value table on back of camera; film positions for correct starting before closing back; single lever for cocking and releasing shutter; focuses from 3 ft. to infinity with one revolution of focusing knob; lock for flash contact.
**Last List Price:** $149.50 (incl. case).
**Used Selling Price:** $75-$100.
**Serial Numbers:** From 1,500,000.
**Special Identification Points:** 1. MXV selector lever (V is self timer position); 2. Built-in film speed indicator; 3. Light Value Scale; 4. Lever for releasing flash contact lock.

## ROLLEIFLEX

**Manufacturer:** Franke & Heidecke, Braunschweig, Germany.
**Importer:** Burleigh Brooks, Inc., 10 W. 46 St., New York 36, N. Y.
**Film Size:** All 6 x 6cm Rolleiflex cameras except Original Rolleiflex take 12 pictures 2¼ x 2¼ on 120 film. Note: A few oversized cameras taking 9 x 9cm pictures on 122 film were made. There were also two 4 x 4cm models.
**Flash Sync:** Type 1 (X sync) can be added to any non-sync Rolleiflex. See *page BG-7* for details.

### ROLLEIFLEX (ORGINAL)

**Introduced:** 1929 **Discontinued:** 1932
**Film Size:** 6 pictures 2¼ x 2¼ on BI (117) film (some were converted to take 12 pictures on 620 film).
**Lens:** 75mm f/4.5 Zeiss Tessar. Version B introduced in 1929 had 75mm f/3.8 Tessar.
**Shutter:** Compur, 1-1/300, B, T.
**Flash Sync:** None. See note *above*.
**Special Features:** Eye-level focusing; built-in magnifier.
**Last List Price:** With f/4.5 Tessar, $75; with f/3.8 Tessar, $85.
**Used Selling Price:** With f/3.8 Tessar, $20-$39.
**Serial Numbers:** To 200,000.
**Special Identification Points:** 1. Made only with film winding knob instead of lever crank; 2. Made only with rim set shutter (no peep window); 3. Only Rolleiflex model without film counter (red window must be used).

### ROLLEIFLEX STANDARD (Old)

**Introduced:** 1932 **Discontinued:** 1937
**Lens:** 75mm f/4.5 or f/3.8 Tessar.
**Shutter:** Compur, 1-1/300, B, T. Version introduced in 1934 had Compur-Rapid, 1-1/500, B.
**Flash Sync:** None. See note, beginning of Rolleiflex section.
**Special Features:** Parallax correction; built-in sportsfinder; lever crank film transport; exposure counter (1st exposure must be set in red window); built-in magnifier; peep windows for lens stops and shutter speed settings; accepts plate or 35mm adapters, other accessories.
**Last List Price:** With f/4.5 or f/3.8 Tessar, $125.
**Used Selling Price:** With f/3.8 Tessar, $20-$40.
**Serial Numbers:** 200,000 to 567,550.

**Special Identification Points:** 1. Made only with lens mount accepting push-on accessories; 2. Only 6 x 6cm Rolleiflex with single lever for tensioning and releasing shutter; 3. Only 6 x 6cm Rolleiflex with 2 film windows.

## ROLLEIFLEX AUTOMAT (1937)

**Introduced:** 1937 **Discontinued:** 1949
**Lens:** 75mm f/3.5 Tessar. Version introduced in 1945 came with either Tessar or Xenar f/3.5 lens.
**Shutter:** Compur-Rapid, 1-1/500, B, T, ST.
**Flash Sync:** None. See note, beginning of Rolleiflex section.
**Special Features:** Eye-level focusing; film transport coupled to shutter cocking (double exposure prevention); automatic film feeding (not necessary to set 1st exposure in red window, which is eliminated); knurled wheels for setting lens stops and shutter speeds; body shutter release; built-in magnifier; parallax correction; peep windows for lens stops and shutter speed settings.
**Last List Price:** With Xenar lens, $220; with Tessar, $250.
**Used Selling Price:** With f/3.5 Tessar, $62-$83.
**Serial Numbers:** 480,000 to 1,000,000.

**Special Identification Points:** 1. From 1937 to 1939, made with bayonet mount on taking lens only; after 1939, made with bayonet mounts on both viewing and taking lenses; 2. Only Rolleiflex Automat with B and T shutter settings; 3. Only Rolleiflex Automat lacking sportsfinder.

## ROLLEIFLEX STANDARD (New)

**Introduced:** 1939 **Discontinued:** 1941
**Lens:** 75mm f/3.5 Zeiss Tessar.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** None. See note, beginning of Rolleiflex section.
**Special Features:** Film transport coupled with shutter cocking (1st exposure must be set in red window). Other features same as Automat 1937.
**Last List Price:** $185.
**Used Selling Price:** $38-$51.
**Serial Numbers:** 805,000 to 927,999.

**Special Identification Points:** 1. Lens stops and shutter speeds set by levers instead of knurled wheels; 2. No self timer.

## ROLLEIFLEX AUTOMAT (1949)

**Introduced:** 1949 **Discontinued:** 1951
**Lens:** 75mm f/3.5 Zeiss Tessar or Schneider Xenar. Factory coated lenses have following marks engraved on lens mount; Zeiss: "T"; Schneider: ▲ in red.
**Shutter:** Compur-Rapid, 1-1/500, B, ST.
**Flash Sync:** X.
**Special Features:** Sportsfinder. Other features same as Automat 1937.
**Last List Price:** With Xenar lens, $235; with Tessar, $275.
**Used Selling Price:** With f/3.5 Tessar $90-$110.
**Serial Numbers:** 1,100,000 to 1,168,000.

**Special Identification Points:** 1. Made only with X type sync (no lever for selecting M or X type sync).

## ROLLEIFLEX AUTOMAT (1951)

**Introduced:** 1951 **Discontinued:** 1954
**Lens:** 75mm f/3.5 Tessar or Xenar.
**Shutter:** Compur-Rapid, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Built-in magnifier showing entire ground glass image. Other features same as Automat 1949.
**Last List Price:** With Xenar lens, $219.50; with Tessar, $239.50.
**Used Selling Price:** With f/3.5 Tessar, $110-$140
**Serial Numbers:** 1,100,000 to 1,427,999.

**Special Identification Points:** 1. Lever for selecting M or X type sync.

## ROLLEIFLEX AUTOMAT (1954)

**Introduced:** 1954 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Xenar or Tessar.
**Shutter:** Synchro-Compur LVS, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Shutter incorporates Light Value Scale cross coupled to lens diaphragm (as shutter speeds are changed, lens opening changes correspondingly, thus keeping relative exposure constant); shutter cocking and self timer tensioning coupled to film transport; double and blank exposure prevention with provision for making intentional double exposures; exposure table with "Light Values" on back of camera; body shutter release with safety lock; extra large focusing knob with built-in film type indicator; eye-level focusing; built-in magnifier; sportsfinder; built-in feeler mechanism for easy film loading; self-locking safety hinge on camera back; automatic exposure counter; lever-crank film transport.
**Last List Price:** With 75mm f/3.5 Xenar, $234.50; with 75mm f/3.5 Tessar, $249.50 (prices include case).
**Used Selling Price:** With f/3.5 Xenar, $138-$169.

**Serial Numbers:** 1,428,000 to 1,739, 999.
**Special Identification Points:** 1. Light Value Scale; 2. Extra large focusing knob with film type indicator.

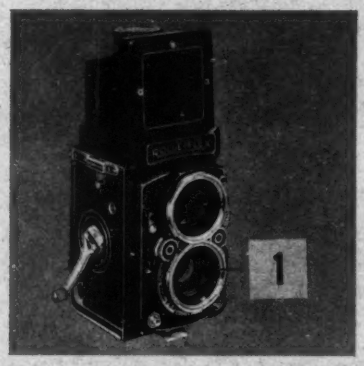
### ROLLEIFLEX AUTOMAT f/2.8

**Introduced:** 1950 **Discontinued:** 1953
**Lens:** 80mm f/2.8 Tessar. B version with 5-element 80mm f/2.8 Biometar lens may occasionally be found.
**Shutter:** Compur-Rapid, 1-1/500, B, ST.
**Flash Sync:** Early ones had X only; late version had MX. See serial numbers, *below*.
**Special Features:** Same as Automat 1949.
**Last List Price:** With X type sync, $325; with MX sync, $345.
**Used Selling Price:** With X shutter, $120-$150.
**Serial Numbers:** From 1,101,000, X sync; from 1,201,000, MX sync.

**Special Identification Points:** 1. Only 6 x 6cm Rolleiflex supplied with Tessar f/2.8 lens; 2. Has larger diameter lens bayonet mount requiring special size lens accessories.

### ROLLEIFLEX AUTOMAT f/2.8C

**Introduced:** 1953 **Discontinued:** 1956
**Lens:** 5-element 80mm f/2.8 Xenotar or Planar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Provision for intentional double exposures; built-in film speed and film type indicator in focusing knob; safety locks on flash outlet and on lens stop and shutter speed wheels; built-in 35mm exposure counter; adjustable magnifier; lever-locking tripod base; safety film knobs; ribbed baffled interior for protecting film against internal reflections. Other features same as 1950 Automat f/2.8.
**Last List Price:** $309.50 (with case).
**Used Selling Price:** $164-$190.
**Serial Numbers:** Not available.




**Special Identification Points:** 1. Xenotar or Planar lens; 2. No LVS system.

### ROLLEIFLEX AUTOMAT 2.8D

**Note:** This camera is similar to Rolleiflex Automat 2.8C, but has the following differences: shutter incorporates Light Value Scale cross coupled to lens diaphragm; shutter release lock made of metal instead of plastic; single lever selects M or X sync and sets self timer; film spool knobs remain in retracted position until pushed in instead of having to be held out.
**Introduced:** 1955 **Discontinued:** 1956
**Last List Price:** With 80mm f/2.8 Xenotar or Planar, $289.50 (with case).
**Used Selling Price:** $180-$210.
**Serial Numbers:** 1,600,000 to 1,620, 999.
**Special Identification Points:** 1. Light Value Scale; 2. No provision for built-in exposure meter as in later Automat 2.8E.

### ROLLEIFLEX 4 x 4CM (1931)

**Introduced:** 1931 **Discontinued:** 1938
**Note:** First few models were called "Babyflex."
**Film Size:** Takes 12 pictures 1 5/8 x 1 5/8 on 127 film.
**Lens:** 60mm f/3.5 or f/2.8 Tessar. After 1934, was supplied only with f/2.8 Tessar.
**Shutter:** Compur, 1-1/300, B, T. Version introduced in 1934 had Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Rolleiflex section.
**Special Features:** Sportsfinder; film transport by lever crank; built-in magnifier; exposure counter (1st exposure must be set in red window).
**Last List Price:** With f/3.5 lens, $106.50; with f/2.8 lens, $122.
**Used Selling Price:** With f/3.5 Tessar, $25-$40.
**Serial Numbers:** 200,000 to 600,000.
**Special Identification Points:** 1. From 1931 to 1933, came only with rim set shutter; after 1933, had peep windows, and levers for setting lens stops and shutter speeds; 2. Made only with lens mount accepting push-on accessories.

### ROLLEIFLEX 4 x 4CM (1938)

**Introduced:** 1938 **Discontinued:** 1941
**Film Size:** Takes 12 pictures 1 5/8 x 1 5/8 on 127 film.
**Lens:** 60mm f/2.8 Tessar.
**Shutter:** Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Rolleiflex section.
**Special Features:** Taking lens accepts bayonet mount accessories. Other features same as 4 x 4cm Rolleiflex 1934.
**Last List Price:** $148.50.
**Used Selling Price:** $53-$68.
**Serial Numbers:** 622,000 to 733,000.
**Special Identification Points:** 1. Bayonet mount on taking lens.

## YASHICA

**Manufacturer:** Yashima Optical Ind. Co., Ltd., Tokyo, Japan.
**Importer:** Yashica, Inc., 234 Fifth Ave., New York 1, N. Y.
**Film Size:** 12 pictures 2¼ x 2¼ using 120 roll film.

### YASHICA LM

**Introduced:** 1956 (current model).
**Lens:** 80mm f/3.5 Yashikor.

**Shutter:** Copal, 1-1/300, B, ST.
**Flash Sync:** MX.
**Special Features:** Built-in photoelectric exposure meter; semi-automatic film transport with automatic stop; field lens focusing screen; bayonet type filter mount; built-in magnifier; eye-level sportsfinder; accessory shoe; built-in depth of field scale.
**Last List Price:** $59.95.
**Used Selling Price:** $32-$43.
**Special Identification Points:** 1. "Yashica LM" engraved on top of camera body; 2. Built-in exposure meter.

# FOLDING ROLL FILM CAMERAS

MANY PEOPLE will argue that the folding roll film camera has had its day. However, those who remain loyal to the fine old design will point out its compactness and fine negative size—mention the ease with which it looks at the world from eye level (rather than from the midriff point of view of the 2¼ reflex)—praise the newer models with their fast lenses, built-in exposure meters and other automatic features. Meanwhile, yesterday's folding roll film cameras have become today's bargains on the used camera dealers shelves. Many fine cameras available at modest prices. P. S. Don't overlook the picture-in-a-minute makers, the Polaroids. Used models are scarce, but can be found occasionally in the larger camera stores.

## ANSCO

**Manufacturer:** Ansco, 40 Charles St., Binghamton, N. Y.
**Film Size:** All models described below take 12 pictures 2¼ x 2¼ on 120 film.

### ANSCO SPEEDEX SPECIAL "R"

**Note:** This camera is similar to the Speedex Special, but has built-in, uncoupled rangefinder. First version has Prontor S shutter; version introduced in mid-1953 has Prontor SV; latest version (introduced in mid-1954) has Prontor SVS.
**Introduced:** 1953 **Discontinued:** 1957
**Last List Price:** $55.
**Used Selling Price:** $24-$37.
**Special Identification Points:** 1. Built-in, uncoupled rangefinder; 2. First version has Prontor S shutter second version has Prontor SV; latest version (introduced in 1954) has Prontor SVS.

### ANSCO SUPER SPEEDEX

**Introduced:** 1954 **Discontinued:** 1958

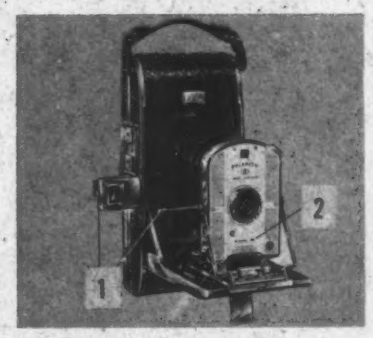
**Lens:** 75mm f/3.5 Solinar.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** MX at all speeds.
**Special Features:** Coupled rangefinder with combined range-viewfinder eyepiece; coupled film transport; double exposure prevention; built-in depth of field scale; film type indicator; accessory shoe.
**Last List Price:** $119.50.
**Used Selling Price:** $60-$78.
**Special Identification Points:** 1. Coupled rangefinder.

## POLAROID LAND

**Manufacturer:** Polaroid Corp., 730 Main St., Cambridge 39, Mass.
All models are designed to produce finished prints approximately one minute after making the exposure on Polaroid Land film.

### POLAROID LAND 95

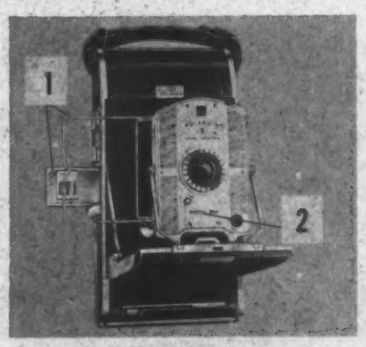
**Introduced:** 1948 **Discontinued:** 1954
**Film Size:** 8 pictures 3¼ x 4¼.
**Lens:** Triplet with effective range from f/11 to f/45.
**Shutter:** Polaroid, ⅛, 1/15, 1/30, 1/60, B.
**Flash Sync:** M.
**Special Features:** A single exposure control dial, numbered from 1 to 8, takes the place of conventional lens and shutter calibrations. Since the lens and shutter controls are coupled, each exposure number represents a specific lens opening-shutter speed combination. Other features: optical eye-level viewfinder; focusing by lever which moves entire shutter-lens housing on track; accessory shoe.




**Last List Price:** $89.75.
**Used Selling Price:** $38-$57.
**Special Identification Points:** 1. Only Polaroid Land model with "ball and mast" sighting point for viewfinder; 2. "Model 95" engraved on lens board; 3. Differentiated from later Model 95A by not having sync for electronic flash.

### POLAROID LAND SPEEDLINER (95A)

**Introduced:** 1954 **Discontinued:** 1957
**Film Size:** 8 pictures 3¼ x 4¼.
**Lens:** Triplet with effective range from f/8.8 to f/35.
**Shutter:** Polaroid, 1/12, 1/25, 1/50 1/100, B.
**Flash Sync:** MX (Latter is electronic flash contact for settings 4 through 8).
**Special Features:** As in Model 95, a single exposure control dial, numbered from 1 to 8, takes the place of conventional lens and shutter calibrations. Other features: combination optical and wire frame viewfinder; negative roll drops into place in camera instead of having to be clipped in; film release is red toggle switch instead of button as in Model 95. Other features same as Model 95.
**Last List Price:** $89.75.



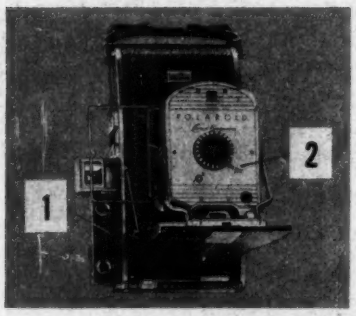

**Used Selling Price:** $44-$57.
**Special Identification Points:** 1. Differentiated from Model 95 by having combination optical and wire frame viewfinder; 2. Has additional connection for electronic flash; 3. "Model 95A" engraved on lens board.

### POLAROID LAND MODEL 100

**Note:** This model is basically similar to the Speedliner (Model 95A), but has been modified slightly for heavy duty business and industrial use. Lens and shutter are specially selected for sharpness and accuracy.
**Introduced:** 1954 **Discontinued:** 1957
**Special Features:** Permanently lubricated spreader-roller bearings; extra-strong stainless steel tripod sockets. Other features same as Model 95A.
**Last List Price:** $97.75.
**Used Selling Price:** Not available.
**Special Identification Points:** 1 "Model one hundred" engraved on lens board.

### POLAROID LAND 700

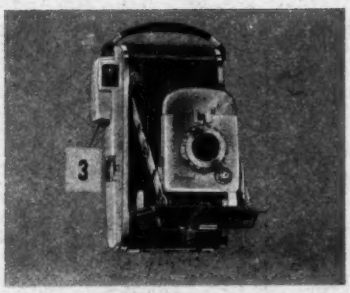
**Note:** This model is basically similar to the Speedliner (Model 95A), but has a non-coupled, coincidence type rangefinder. Other differences are: specially selected shutter and permanently lubricated bearings for the steel rollers.
**Introduced:** 1955 **Discontinued:** 1957
**Last List Price:** $125.
**Used Selling Price:** $71-$90.




**Special Identification Points:** 1. Built-in, non-coupled rangefinder; 2. "The 700" engraved on front of shutter housing.

### POLAROID LAND HIGHLANDER (80)

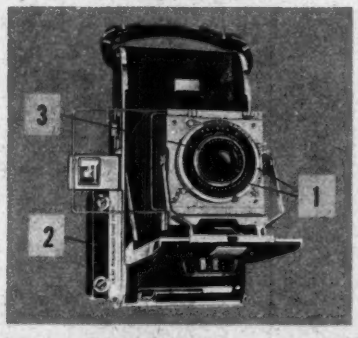
**Introduced:** 1954 **Discontinued:** 1957
**Film Size:** 8 pictures 2¾ x 3½.
**Lens:** Triplet with effective range from f/8.8 to f/50, focused by turning front element.
**Shutter:** Polaroid, 1/25-1/100, B.
**Flash Sync:** M.
**Special Features:** As in Model 95 and 95A, a single exposure control dial takes the place of conventional lens and shutter calibrations; however, in Model 80 the dial is numbered from 2 to 9 instead of 1 to 8. Other features: flash connection is made by clipping flashgun directly onto top of camera; enclosed optical viewfinder; accessory shoe; self-erecting bed.
**Last List Price:** $69.95.




**Used Selling Price:** $32-$49.
**Special Identification Points:** 1. Camera is much smaller than other models; 2. Takes 2¾ x 3½ pictures; 3. Has enclosed instead of frame type optical viewfinder; 4. Exposure dial numbered from 2 to 9; 5. "Model 80" engraved on front folding support.

### POLAROID LAND PATHFINDER (110)

**Introduced:** 1952 **Discontinued:** 1957
**Film Size:** 8 pictures 3¼ x 4¼.
**Lens:** 127mm f/4.5 Wollensak Raptar, calibrated in conventional way.
**Shutter:** Rapax II, 1-1/400, B, T, calibrated in conventional manner.
**Flash Sync:** MX.
**Special Features:** Coupled rangefinder; depth of field scale; parallax correction; accessory shoe; built-in exposure calculator matches readings of GE-Polaroid exposure meter; extra large focusing knob.
**Last List Price:** $249.50.
**Used Selling Price:** $140-$163.



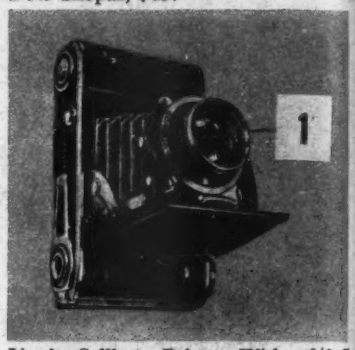

**Special Identification Points:** 1. Conventional f-stops and shutter speed calibrations; 2. Coupled rangefinder; 3. "Pathfinder" engraved on lens plate and focusing knob.

## VOIGTLANDER

**Manufacturer:** Voigtlander A.G., Braunschweig, Germany.
**Importer:** H. A. Bohm & Co., 4761 W. Touhy Ave., Chicago 30, Ill.

### VOIGTLANDER BABY BESSA (Original)

**Film Size:** 12 pictures 2¼ x 2¼ on 120 film.
**Introduced:** 1939 **Discontinued:** 1940
**Lens:** 75mm f/3.5 Voigtar, 75mm f/4.5 Vaskar, or 75mm f/3.5 Skopar.
**Shutter:** Prontor 00 or Compur 00.
**Flash Sync:** None. Add Type 1 (X sync). See *page BG-7*.
**Special Features:** Frame type optical viewfinder; trigger type shutter release in baseboard; built-in depth of field scale.
**Last List Price:** With f/3.5 Voigtar, $45; with f/4.5 Vaskar, $55; with f/3.5 Skopar, $65.




**Used Selling Price:** With f/3.5 Voigtar, $14-$25.
**Special Identification Points:** 1. No built-in filter as in later versions.

### VOIGTLANDER BESSA I

**Film Size:** 8 pictures 2¼ x 3¼ or 16 pictures 1 5/8 x 2 1/4 on 120 film.
**Introduced:** 1950 **Discontinued:** 1956
**Lens:** 105mm f/4.5 Vaskar or 105mm f/3.5 Color-Skopar.
**Shutter:** Early versions Prontor S, 1-1/250, B, ST, or Synchro-Compur, 1-1/500, B, ST. Last versions have Prontor SV, 1-1/300, B, ST.
**Flash Sync:** Early versions have X only. Later ones have MX.

**Special Features:** Double exposure prevention; parallax-compensated optical viewfinder; zone focusing; body shutter release; built-in depth of field scale; mask for taking 16 pictures.
**Last List Price:** With f/4.5 Vaskar lens, $57.50; with f/3.5 Color-Skopar lens, $72.50.
**Used Selling Price:** With f/3.5 Color-Skopar, $40-$49.

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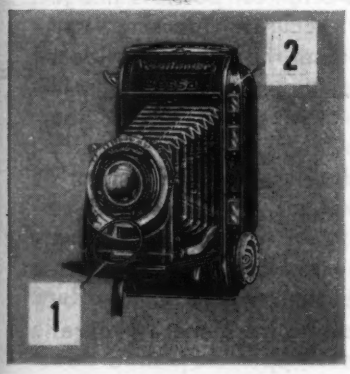
**Special Identification Points:** 1. No built-in rangefinder; 2. Body shutter release.

### VOIGTLANDER R.F. BESSA

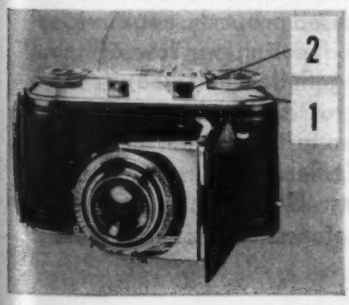
**Film Size:** 8 pictures 2¼ x 3¼ or 16 pictures 1⅝ x 2¼ on 120 film.
**Introduced:** 1939 **Discontinued:** 1941
**Lens:** 105mm f/3.5 Skopar.
**Shutter:** Compur-Rapid, 1-1/400, B, T, ST.
**Flash Sync:** None. Add either Type 1 (X sync) or 2 (M bulbs). See *page BG-7*.
**Special Features:** Coupled rangefinder; built-in hinged filter; mask for taking 16 pictures; viewfinder mask selector knob; trigger type shutter release in baseboard; built-in depth of field scale.
**Last List Price:** $75.
**Used Selling Price:** $35-$47.




**Special Identification Points:** 1. Built-in hinged filter; 2. Made only with black finish.

### VOIGTLANDER BESSA II

**Film Size:** 8 pictures 2¼ x 3¼ on 120 film.
**Introduced:** 1950 **Discontinued:** 1956
**Lens:** 105mm f/3.5 Color-Heliar, 105mm f/3.5 Color-Skopar or (in last version only) 105mm f/4.5 Apo-Lanthar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Coupled rangefinder with single eyepiece for range-viewfinder; zone focusing settings; built-in depth of field scale; trigger type shutter release in baseboard.
**Last List Price:** With f/3.5 Color-Heliar, $159.50; with f/3.5 Color-Skopar, $119.50; with f/4.5 Apo-Lanthar, $200.
**Used Selling Price:** With f/3.5 Color-Heliar, $57-$80.
**Special Identification Points:** 1. Made only with chrome finish; 2. Single window for range-viewfinder.

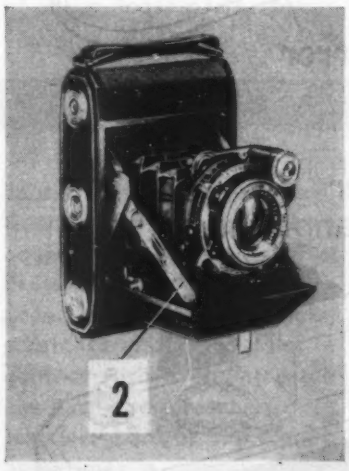



## ZEISS

**Manufacturer:** Zeiss Ikon A.G., Stuttgart, Germany.
**Importer:** Carl Zeiss, Inc., 485 Fifth Ave., New York 17, N. Y.
**Flash Sync:** Type 1 (X sync) can be added to any non-sync Zeiss folding camera listed. See *page BG-7* for flash sync details.

### SUPER IKONTA A (1934)

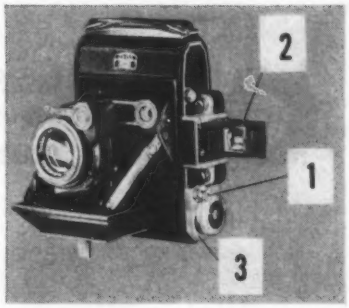
**Introduced:** 1934 **Discontinued:** 1937
**Film Size:** 16 pictures 1¾ x 2¼ on 120 film.
**Lens:** 70 or 75mm f/3.5 Tessar.
**Shutter:** Compur-Rapid, 1-1/500, B, T.
**Flash Sync:** None. See note, beginning of Zeiss section.
**Special Features:** Coupled rangefinder; self-erecting front; direct vision optical finder.
**Last List Price:** With 70 or 75mm Tessar, $110.




**Used Selling Price:** $28-$43.
**Special Identification Points:** 1. No body shutter release (on earlier version only); 2. Made only with black enamel finish with nickel-plated fittings.

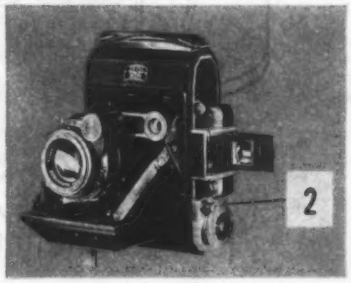
### SUPER IKONTA A (1937)

**Film Size:** Same as 1934 model.
**Introduced:** 1937 **Discontinued:** 1950
**Lens:** 75mm f/3.5 Tessar (1948 version has Xenar).
**Shutter:** Compur-Rapid, 1-1/500, B.




**Flash Sync:** None. See note, beginning of Zeiss section.
**Special Features:** Double exposure prevention; body shutter release; Albada sportsfinder. Other features same as 1934 version.
**Last List Price:** With 75mm f/3.5 Tessar, $204; with Xenar, $162.
**Used Selling Price:** $38-$49.
**Special Identification Points:** 1. Body shutter release; 2. Albada finder; 3. Made only in chrome finish.

### SUPER IKONTA A (1950)



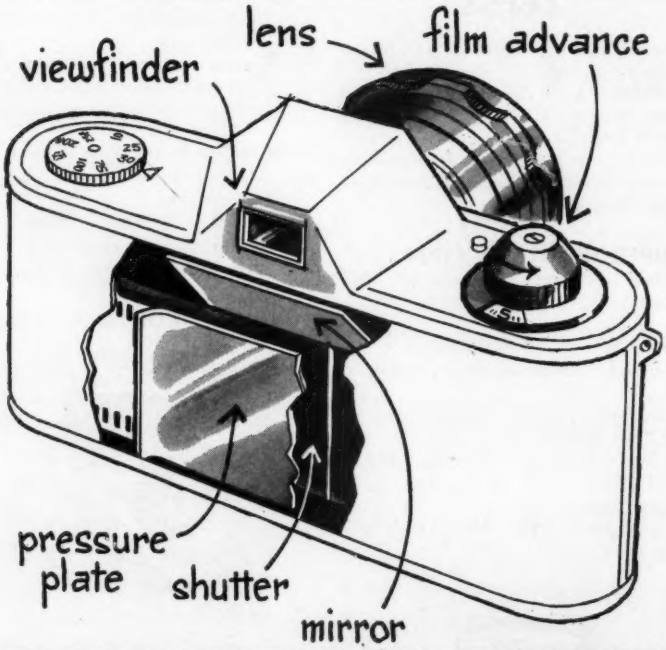

**Film Size:** Same as 1934 model.
**Introduced:** 1950 **Discontinued:** 1956
**Lens:** 75mm f/3.5 Tessar.
**Shutter:** Compur-Rapid, 1-1/500, B (last version has Synchro-Compur).
**Flash Sync:** Early versions with Compur-Rapid have X sync; later ones have MX.
**Special Features:** Blank exposure prevention. Other features same as 1937 version.
**Last List Price:** $102.
**Used Selling Price:** $50-$70.
**Special Identification Points:** 1. Built-in flash sync; 2. Visual signal for blank exposure prevention.

### SUPER IKONTA B (1935)

**Note:** Originally known as Super Ikomat.
**Introduced:** 1935 **Discontinued:** 1937
**Film Size:** 11 pictures 2¼ x 2¼ on 120 film.
**Lens:** 80mm f/3.5 or f/2.8 Tessar.
**Shutter:** Compur-Rapid, 1-1/400, B, ST.
**Flash Sync:** None. See note, beginning of Zeiss section.
**Special Features:** Coupled rangefinder; built-in depth of field scale;

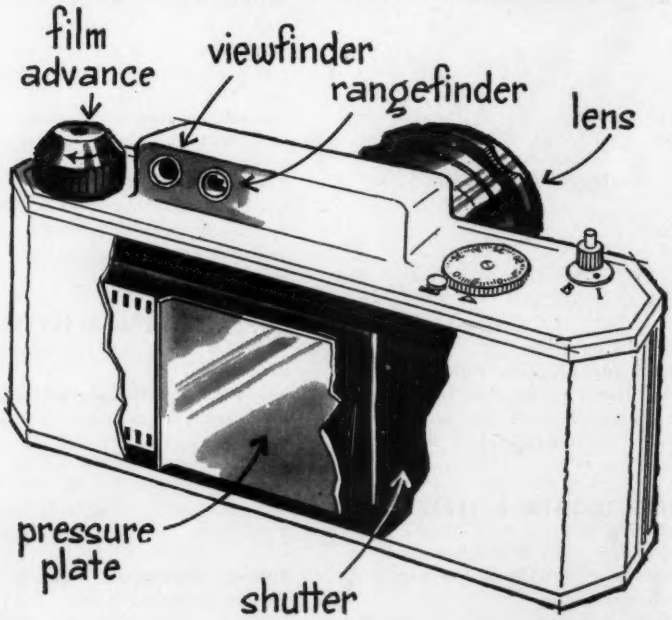
*(Continued on page 147)*

# CHECK THESE




## 35MM SINGLE LENS REFLEX

**Viewfinder:** When making pictures with a single lens reflex camera, in order to view the brightest possible image for accurate focusing, you must set the lens on its widest aperture. Image brightness in the center and edge of the ground glass becomes greatly reduced when the mirror's silver surface starts to flake off, or is covered with dirt. Check uniformity of light distribution of the image by focusing the camera (lens at widest aperture) in a low




## 35MM RANGEFINDER

**Rangefinder:** Split or superimposed, whether made with silver, gold or lead—if you can't see through a rangefinder, or if it's not accurate, you might as well not have it. Check the rangefinder carefully—the finest lens in the world is useless if it can't be focused properly. Look inside the focusing window of the rangefinder and see if the mirror and prism are free from grit, and that the silver isn't flaking off.

**Lens:** Check the lens for scratches, chips, and loose

# POINTS!

**Before you buy a used camera, read Modern's Guide to 4 basic types.**

light situation. However, a more practical and convenient test is sufficient. Just focus the camera and see for yourself if the fall-off is objectionable. Subjective, but accurate enough.

**Lens:** Check the lens for chips, scratches and loose elements. Make sure the diaphragm is free from rust, has no broken blades, and is in working order. Check the lens mount and focusing mechanism for excessive play.

**Shutter:** Use the shutter at all speeds. Check the slow speeds carefully. Shutters usually go bad first at these speeds. Listen for any hesitation in the mechanism. If the shutter seems to be jammed, look for any small pieces of film which may have lodged in the shutter curtain.

**Film advance:** Check by running a roll of film through the camera. Make sure the frame counter works. Try to detect unwanted slippage in the film.

**Pressure plate:** Scratches, nicks or dents are not desirable. Imperfections might cause scratches on negatives.

**Interior:** Look for evidence of abuse, loose parts, spaces where parts are missing. Do any parts appear to have been bent back into place? Have any worn parts been painted to look new? If the camera was repaired, was it done by an experienced camera repairman or by a do-it-yourself home repairman who botched the job?

**Moving parts:** A precision camera has many moving parts. Check and see if they are functioning properly. For example: try the self timer, use the rewind knob. Does the camera back open and close properly, and does it fit?

elements. Rock the lens mount to reveal unwanted play.

**Shutter:** Release the shutter at all speeds. Pay particular attention to the slower speeds. These speeds tend to give trouble sooner than the faster ones. Listen for any hesitation in the slow speeds. Sometimes small chips of film lodge in the shutter curtain and cause irregularities in some shutter speed settings—or even prevent their working.

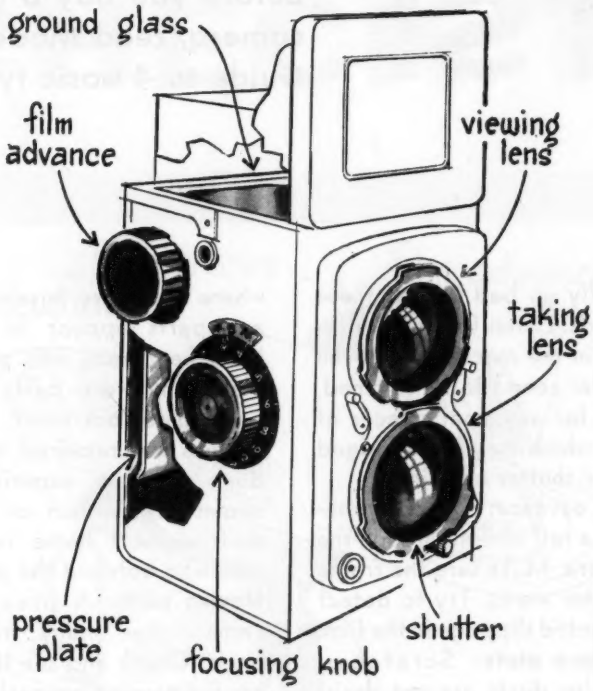
**Film advance:** Run a roll of film through the camera and check for gear slippage in the film advance. Slippage causes frames to overlap. Keep tabs on the frame counter and see if it works.

**Pressure plate:** Check the pressure plate for nicks, scratches and dents. Film in contact with irregular plate can easily be scratched.

**Interior:** Look for light leaks. Sometimes a tripod socket will reveal a tiny hole that indicates the tripod was screwed onto the camera too tightly. Result: flare on your negatives and transparencies.

**Moving parts:** Examine the overall condition of the camera. Beware of the camera which has been tampered with. Look for loose parts and connections. Check the moving parts for wear.

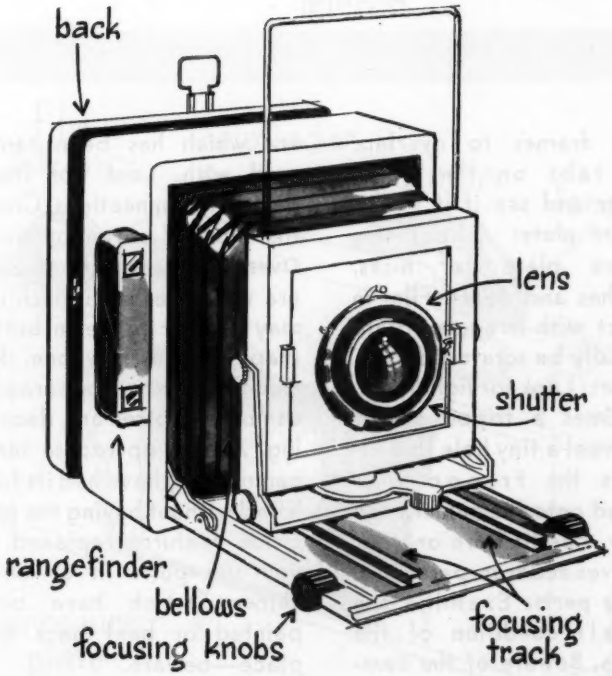
**Overall appearance:** A camera which has seen much use may appear to be in better shape than a new one. Remember that appearances can be, and often are, deceiving. A beat-up excuse for a camera may have had its face lifted without having the precision features replaced. If you see parts in or on a camera which have been painted or bent back into place—beware.




## TWIN LENS REFLEX

**Ground glass:** Look for indications of tampering with the ground glass. If a field lens was added to the camera by the previous owner, or by a camera repairman, and it's the kind which is placed underneath the ground glass, be sure to check the camera's focus with extra care. Check closely for chips and scratches on the ground glass. (If you find some small pieces of glass, check again—you're apt to find more.)

**Focusing hood:** A twisted or bent focusing hood might indicate that the camera had been dropped or had been subjected to misuse. Check the focusing hood carefully.




## PRESS OR VIEW

**Bellows:** Any holes, cracks or worn areas on a bellows can make any press or view camera worthless. If there is a hole in the bellows a photograph won't necessarily be affected. For example: If a photograph is made and the bellows isn't extended too far, the hole might be covered by one of the accordion-like folds. If you find a defective bellows—you'll never be sure if the image you record on the film does or does not contain unwanted flare.

**Camera back:** Check the camera back carefully for light leaks (which will show up as small spots of light)—Remove lens and hold camera up to the light. Look through

**Focusing knob:** Be certain that there is no play in the focusing knob. Excessive play would indicate that the knob had been forced past the close distance or infinity mark and a few gears might have been stripped.

**Viewing lens:** Look into the viewing lens and examine the mirror closely. Make sure that it still has the silver coating which was placed on it by the manufacturer. Check for scratches and flaking. Also check the viewing lens for imperfections. Look for loose elements. If the camera was subjected to extreme weather conditions, there might be fungus inside, or possibly even rust.

**Taking lens:** Rack the lens out to the closest focusing position and support the camera with one hand while holding the focusing panel with the other hand. Try to rock it back and forth. If more than the slightest play exists, focus might be affected. Check the diaphragm for rust and broken blades.

**Shutter:** Try all the shutter speeds. Pay particular attention to the slow speeds since these speeds usually cause the most trouble.

**Film advance:** The best method of testing the film advance is to run a roll of film through the camera. Check and see if the frame counter works correctly. Try to detect slippage in the film advance. This would cause frames to overlap. Sometimes you can feel slippage as you advance the film.

**Pressure plate:** Examine closely for unwanted dents and nicks which might cause scratches on the film as it's advanced to next frame.

**Interior:** Examine the inside of the camera very closely. Look for dents, loose screws and missing parts. Beware of the camera which undoubtedly has been taken apart by its previous owner.

**Moving parts:** A precision instrument such as a camera contains many moving and removable parts. Are they too loose, too tight, squeaky?

the bellows at the inside of the camera back. Also check the ground glass for evidence of chips or cracks. It could be embarrassing if the ground glass fell out of the camera while you were focusing. Sufficient tension in the camera back is necessary to keep the film holder at the exact focal plane during exposure. If it's loose, negative won't necessarily be sharp.

**Rangefinder:** A rangefinder on a press camera must be adjusted for the particular lens with which it is used. For example: if the camera originally had a 127mm lens and the previous owner replaced this lens with a 135mm lens, without readjusting the rangefinder, the rangefinder would now be useless. Check to see for yourself if the rangefinder is adjusted for the lens on the camera. Focus, using the ground glass back, and see if the rangefinder focus agrees. If it doesn't, it needs adjustment. Examine the rangefinder's prism and mirror by looking into the little windows. They should be clean without scratches or trace of silver peelings.

**Lens:** Check the lens for scratches, loose elements and chips. Look closely at the diaphragm as you change the settings. Beware of broken, bent or rusty diaphragm blades. Any loose objects inside the lens can cause serious harm to both lens and shutter if allowed to remain.

**Shutter:** Set and release shutter at all speeds. Dirt inside a shutter usually affects the slower speeds first. If not removed, it can damage the shutter permanently.

**Focusing knobs:** Work these knobs freely and check for slippage of gears. This could cause faulty and uncertain focus.

**Focusing track and moving parts:** Examine track closely, making sure it's free from dents. In closing the camera, someone may have forgotten to rack the track in all the way. Result might be a bent track which would make precision focusing impossible. Make sure that the focusing track is properly secured to the camera's focusing bed.

# 150 NEW CAMERAS

## MODERN SHOWS HOW THEY COMPARE

### RANGEFINDER 35MM

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Acon IIL | 50mm f/3.5 | 1/10-1/200; X sync | Coinc.; combined | Rapid lever film advance | $39.50 |
| Acon 35 IIL | 45mm f/3.5 | 1/10-1/200; X sync | Coinc.; combined | Same as Acon IIL, above | $49.95 |
| Agfa Ambi-Silette | 50mm f/2.8; interch., bayonet | 1-1/500; MX sync; self timer | Coinc.; combined; mult. frameline | Framelines for 35, 50, 90mm lenses; auto parallax comp. | $109 |
| Aires IIIC | 45mm f/1.9 | 1-1/500; MFX sync; self timer; LVS | Coinc.; combined; frameline | Auto parallax comp. | $110 |
| Aires IIIL | 45mm f/1.9 | 1-1/500; MFX sync; self timer; LVS | Coinc.; combined; frameline | Focus to 20 in.; parallax comp. marks; lever rewind | $99.50 |
| Akarex III | 50mm f/3.5 or f/2 | 1-1/500; MX sync; self timer | See notes | Each interch. lens carries own coupled range/viewfinder | f/3.5, $99.50; f/2, $139.50; body only, $59.50 |
| Akarex 700 | 45mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; frameline | | $69.50 |
| Akarex 700L | 45mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; frameline | Built-in exp. meter | $89.95 |
| Ansco Super Memar f/2.8 | 45mm f/2.8; | 1-1/300; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film advance | $74.50 |
| Arco 35 | 50mm f/2.4 | 1-1/500; MFX sync | Frameline; 1:1 | Auto parallax comp.; focus to 14 in. | $89.50 |
| Argus C20 | 44mm f/3.5 | 1/25-1/100; M sync | Coinc.; sep. viewfinder | Knob film wind; color-coded exp. & distance settings | $43.50 |
| Argus Matchmatic | 50mm f/3.5; interch., screw thread | Behind-lens; 1/8-1/300; X sync | Split image; sep. viewfinder | No f-stops; match camera nos. w/nos. on special Argus exp. meter; range-finder markings incl. correct flash exp. | $74.95 w/case, flashgun & meter |

SHOULD YOU BUY a new camera—or a used one? The choice is, naturally, a personal one. And once that question is answered, there still remains the problem of just which camera, of the hundreds available, will exactly suit your own special needs. To help you make the all-important final decision, MODERN, for the first time, offers this guide to new cameras in addition to its big annual used camera buying guide (following *page 74*). We have included here those cameras introduced after January 1, 1957 which sell for $25 or more (one manufacturer markets his $25 camera for $24.95 and we felt that in all fairness it should be included, too).

We have defined cameras introduced within the past two years as "new" since they have not yet found their way to the used camera market in any number—too few are available to establish an accurate used price range.

Here, in useful comparison style, are full details on 150 new cameras—lenses, shutter speeds, finders, flash sync, prices, special features which distinguish a particular model. For your convenience they have been separated into seven categories according to camera type: Rangefinder 35mm, Non-Rangefinder 35mm, Single-Lens Reflex, Twin-Lens Reflex, Roll Film, Ultra-miniature, and Press and View cameras.

So, if you're in the market for a brand new camera, study what's available and check into your photo dealer's to handle for yourself those which interest you most. The "feel" of a camera is important, too.

The camera charts were compiled by Norman Rothschild and are as correct as careful checking could make them. However, MODERN assumes no responsibility for their accuracy.

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Argus V-100 | 52mm f/2.8 or 48mm f/2 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Lever rewind; built-in exp. meter | f/2.8, $131.15; f/2, $161.15 |
| Baldessa Ia & Ib | 45mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; frameline | Auto parallax comp.; rapid wind key on camera bottom; lever rewind; Ib has built-in exp. meter | Ia, $59.95; Ib, $79.95 |
| Braun Automatic Super III | 50mm f/2.8 or f/1.9; interch., bayonet | 1-1/300; MX sync; self timer | Coinc.; combined; mult. frameline | Framelines for 35, 50, 90, 135mm lenses; built-in coupled meter; subtractive counter; lever rewind | $149.50 to $189 |
| Braun Super IIBL | 50mm f/2.8 or f/2; interch., screw thread | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; mult. frameline | Framelines for 35, 50, 85, 135mm lenses; subtractive counter; lever rewind; built-in meter | f/2.8, $99.50; f/2, $129.50 |
| Braun Super IIL | 50mm f/2.8 or f/2; interch., screw thread | Behind-lens; 1-1/300; MX sync; self timer; LVS | Coinc.; combined; mult. frameline | Framelines for 35, 50, 85, 135mm lenses; subtractive counter; lever rewind | f/2.8, $79.95; f/2, $109.95 |
| Brumberger | 45mm f/3.5 | 1-1/300; X sync; self timer | Coinc.; combined | Focus to 1.7 ft. | $59.95 w/case & flash |
| Canon L-1 | 50mm f/2.8 to f/1.2; interch., screw thread | Focal-plane; 1-1/1000; FP, F, X sync; self timer | Coinc.; combined; mult. viewfinder | Viewfinder field for 35, 50mm lenses; auto parallax comp. for spec. aux. finders; single stroke advance lever atop camera; lever rewind | $229 to $369.50 |
| Canon VT DeLuxe | 50mm f/2.8 to f/1.2; interch., screw thread | Focal-plane; 1-1/1000; FP, F, X sync; self timer | Coinc.; combined; mult. viewfinder | Same as L-1, above, but has rapid trigger baseplate advance lever | $259 to $399.50 |
| Canon VI-T | 50mm f/2.8 to f/1.2; interch., screw thread | Focal-plane; 1-1/1000, T; FP, X sync; self timer | Coinc.; combined; mult. frameline, variable | Metal FP shutter; all speeds on 1 dial; finder shows 50, 100mm fields; auto parallax comp.; exp. meter coupled to shutter speed dial; baseplate trigger film transport; lever rewind | f/2.8, $289; f/1.8, $329.50; f/1.2, $429.50. Prices incl. meter, booster |
| Century 35 | 45mm f/3.5 or f/2.8 | 1-1/500; MX sync | Coinc.; combined | | f/3.5, $49.50; f/2.8, $64.50 |

## RANGEFINDER 35MM

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Fujica 35ML | 45mm f/2.8 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined; frameline | Auto parallax comp.; lever rewind | $69.95 |
| Kalimar B-3 | 45mm f/2.8 | 1/5-1/300; X sync | Coinc.; combined | Rapid lever film transport | $44.50 |
| Kodak Retina IIIC | 50mm f/2; interch. component, bayonet | 1-1/500; MX sync; LVS | Coinc.; combined; mult. frameline | Framelines for 35, 50, 80mm lenses; parallax correc. marks; built-in exp. meter | $175 |
| Kodak Signet 80 | 50mm f/2.8; interch., locking pin | Behind-lens; 1/4-1/250; MX sync; self timer | Coinc.; combined; mult. frameline | Framelines for 35, 50, 90mm lenses; sep. flash & electronic flash outlets; parallax correc. marks; lever rewind | $129.50 |
| Konica IIIA | 50mm f/1.8 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined; frameline; 1:1 | Auto parallax comp. by narrowing frameline; lever transport on camera front; lever rewind | $129.95 |
| Leica M2 | 50mm f/2.8; interch., bayonet | Focal-plane; 1-1/1000; FP, X sync | Coinc.; combined; mult. frameline | Framelines for 35, 50, 90mm lenses; frame selector lever; auto parallax comp.; acces. exp. meter couples to shutter speed dial | $267.50 |
| Leica IIIg | 50mm f/2.8 to f/1.5; interch., screw thread | Focal-plane; 1-1/1000; FP, X sync | Coinc.; sep. viewfinder; mult. frameline | Framelines for 50, 90mm lenses; auto parallax comp. | $234 to $337.50; body only, $163.50 |
| Lord IVD | 40mm f/2.8 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Rapid film transport, rewind levers; click-stop fixed focus setting; film cutting knife; parallax correc. marks | $69.95 |
| Lord VD | 40mm f/1.9 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Same as Lord IVD, above | $99.50 |
| Mamiya Magazine 35 | 50mm f/2.8 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Interch. magazine backs; rapid lever film transport | $89.50; extra magazine, $27.50 |
| Minolta A-2 | 45mm f/2.8 | 1-1/400; MFX sync; self timer | Coinc.; combined; frameline | Rapid lever film transport; flash guide scale on shutter | $69.95 |
| Minolta Super A | 50mm f/2 or f/1.8; interch., bayonet | Behind-lens; 1-1/400; MX sync | Coinc.; combined; frameline | Rapid lever film transport, rewind; accessory exp. meter couples to shutter speed dial | f/2, $129.50; f/1.8, $149.50 |
| Neoca IIS | 45mm f/3.5 | 1-1/300; X sync | Coinc.; combined | Rapid lever film transport; focus to 1.7 ft. | $49.95 |
| Neoca IIIS | 45mm f/2.8 | 1-1/300; X sync | Coinc.; combined | Same as Neoca IIS, above | $69.95 |
| Neoca IVS | 45mm f/2.8 | 1-1/400; MX sync; self timer | Coinc.; combined; frameline | Parallax correc. marks; focus to 18 in.; rapid lever film transport | $49.95 |
| Nikon S-3 | 50mm f/2 to f/1.1 | Focal-plane; 1-1/1000, T; FP, X sync; self timer | Coinc.; combined; mult. frameline; 1:1 | Framelines for 35, 50, 105mm lenses; parallax correc. marks; rapid lever film transport, rewind | $309.50 to $504.50 |

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Nikon SP | 50mm f/2 to f/1.1 | Focal-plane; 1-1/1000, T; FP, X sync; self timer | Coinc.; combined; mult. frameline; 1:1 | Framelines for 50, 85, 105, 135mm lenses on setting dial; auto parallax comp.; rapid lever film transport, rewind | $369.50 to $564.50 |
| Noble 3-35 | 50mm f/2 | 1-1/500; MX sync; self timer | Coinc.; sep. viewfinder | Accepts 3 cartridges of film, permitting instant switch; parallax indicator | $299.50 |
| Olympus 35 | 50mm f/3.5 | 1-1/500; MFX sync | Coinc.; combined | | $59.95 |
| Olympus 35-S 1.8 | 42mm f/1.8 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Auto parallax comp.; rapid lever film transport, rewind | $114.50 |
| Olympus S f/2.8 | 48mm f/2.8 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Same as Olympus 35-S, above | $79.95 |
| Olympus Wide S | 35mm f/2 | 1-1/500; MFX sync; LVS | Coinc.; combined; frameline | Auto parallax comp.; rapid lever film transport, rewind | $124.50 |
| Optikon 500 | 45mm f/2.8 | 1-1/500; MX sync | Coinc.; combined; frameline | Rapid lever film transport | $69.95 |
| Pax M2 | 45mm f/3.5 | 1/10-1/300, T; FX sync | Coinc.; combined | | $44.95 |
| Petri f/2.8 Super | 45mm f/2.8 | 1-1/300; MX sync; self timer | Coinc.; combined | Rapid lever film transport, rewind | $49.95 |
| Petri f/1.9 Super | 45mm f/1.9 | 1-1/500; MX sync; self timer | Coinc.; combined | Same at Petri f/2.8 Super, above | $69.50 |
| Petri Automatic f/1.9 DeLuxe | 45mm f/1.9 | 1-1/500; MX sync; self timer | Coinc.; combined; frameline | Rapid lever film transport, rewind; extra large finder | $99.50 |
| Regula R | 45mm f/2.8 or f/1.9 | 1-1/300; MX sync; LVS | Coinc.; combined | Rapid lever film transport | f/2.8, $69.95 w/case, flash; f/1.9, $89.50 |
| Regula RM | 45mm f/2.8 or f/1.9 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film transport; built-in exp. meter | f/2.8, $99.50; f/1.9, $119.50 |
| Regula IIIc | 50mm f/2.8 or f/1.9; interch., bayonet | Behind-lens; 1-1/300; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film transport | f/2.8, $89.50 w/case, flash; f/1.9, $119.50 |
| Regula IIId | 50mm f/2.8 or f/1.9; interch., bayonet | Behind-lens; 1-1/300; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film transport; built-in coupled exp. meter | f/2.8, $119.50 w/case, flash; f/1.9, $149.50 |
| Ricoh 500 | 45mm f/2.8 | 1-1/500; MFX sync; LVS | Coinc.; combined | Trigger film transport on baseplate; duo lever focusing | $69.95 |

## RANGEFINDER 35MM

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Ricoh Five-One-Nine | 45mm f/1.9 | 1-1/500; MFX sync; self timer; LVS | Coinc.; combined; frameline | Trigger transport on baseplate; lever rewind; cordless flash connection in acces. shoe, or conventional outlet | $99.95 |
| Royal Super 35 | 50mm f/2.8 | 1-1/300; FX sync; self timer | Coinc.; combined | Rapid lever film transport | $59.50 |
| Royal 35-S | 50mm f/2.8 | 1-1/300; FX sync; self timer | Coinc.; combined | Rapid lever film transport; focus to 2 ft. | $59.95 |
| Samoca 35X and 28X | 50mm f/3.5 or f/2.8 | 1-1/300; MX sync | Coinc.; combined; frameline | Built-in exp. meter; parallax correc. marks in finder | 35X, $39.95; 28X, $49.95 |
| Tanack IVS | 50mm f/2; interch., screw thread | Focal-plane; 1-1/500, T; FP, X sync | Coinc.; sep viewfinder | | $169.50 |
| Topcon L | 44mm f/2 | 1-1/500; MX sync; LVS | Coinc.; combined; frameline; 1:1 | Auto parallax comp. | $99.95 |
| Voigtlander Vitessa T | 50mm f/2.8; interch., bayonet | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Built-in exp. meter; downward stroke rapid film transport; lever rewind; 35, 100, 135mm acces. lenses | $154.50 |
| Voigtlander Vito BR | 50mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; 1:1 | Rapid lever film transport, rewind; filter factor setting ring | $89.50 |
| Voigtlander Vitomatic II | 50mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Coinc.; combined; 1:1 | Built-in coupled exp. meter; rapid lever film transport, rewind; color zone focus & shutter speeds; filter factor setting ring | $109.50 |
| Walz 35-S f/2.8 | 45mm f/2.8 | 1-1/500; MX sync; self timer | Coinc.; combined; frameline | Rapid lever film transport; parallax comp. marks | $69.95 |
| Walz 35-S f/1.9 | 45mm f/1.9 | 1-1/500; MX sync; self timer | Coinc.; combined; frameline | Same as Walz 35-S f/2.8, above | $99.50 |
| Wittnauer Adventurer | 45mm f/2.8 | 1/25-1/200; X sync | Coinc.; combined | Rapid lever film transport | $62.50 |
| Wittnauer Captain | 50mm f/2.8 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Built-in exp. meter; rapid lever film transport | $125 |
| Wittnauer Challenger | 50mm f/2 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film transport | $135 |
| Wittnauer Champion | 50mm f/2.8 | 1-1/500; X sync; self timer; LVS | Coinc.; combined | Rapid lever film transport | $99.50 |
| Wittnauer Commander | 50mm f/2 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Built-in exp. meter; rapid lever film transport | $157 |

| NAME | LENS | SHUTTER | RANGE/VIEW-FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Wittnauer Constellation | 50mm f/2.8 | 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Rapid lever film transport | $110 |
| Wittnauer Continental | 50mm f/2.8; interch., bayonet | Behind-lens; 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Auto depth of field indicator; rapid lever film transport | $140 |
| Wittnauer Legionnaire | 45mm f/2.8 | 1/25-1/200; X sync | Coinc.; combined | Rapid lever film transport | $84.50 |
| Wittnauer Professional | 50mm f/2.8; interch. | Behind-lens; 1-1/500; MX sync; self timer; LVS | Coinc.; combined | Built-in exp. meter; rapid lever film transport | $159 |

# NON-RANGEFINDER 35MM

| NAME | LENS | SHUTTER | FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Ansco Memar f/2.8 | 45mm f/2.8 | 1/25-1/200; X sync | Optical direct | Rapid lever film advance | $41.50 |
| Agfa Silette SL | 50mm f/2.8 | 1-1/300; MX sync; LVS | Optical 1:1 | Built-in coupled exp. meter | $89.95 |
| Agfa Silette-Vario | 45mm f/3.5 | 1/25-1/200; M sync | Optical 1:1 | Film counter indicates no. of frames left | $39.50 |
| Baldessa I | 45mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Optical | Rapid wind key on camera bottom; lever rewind | $44.95 |
| Diax 16 | 50mm f/3.5, 2.8 or 2; interch., locking pin | 1-1/500; MX sync; self timer | 3, ea. diff. color, for 35, 50, 85/90mm | | $69.50 to $119.50 |
| Kalimar A | 45mm f/3.5 | 1/25-1/200; X sync | Optical | | $24.95 |
| Kodak Pony IV | 44mm f/3.5 | 1/30-1/250; X sync; EVS | Optical | No-thread loading | $39.95 |
| Kodak Signet 30 | 44mm f/2.8 | 1/4-1/250; MX sync | Frameline; parallax correc. marks | No-thread loading; focus to 2½ ft. | $55 |
| Kodak Signet 50 | 44mm f/2.8 | 1/4-1/250; MX sync | Frameline; parallax correc. marks | No-thread loading; focus to 2½ ft.; built-in exp. meter | $82.50 w/flashgun |
| Leica Ig | 50mm f/2.8 | Focal-plane; 1-1/1000; FP, X sync | Opt. frameline; detachable; fits shoe | Can be converted to Leica IIIg | $166.20; body only, $96 |
| Minolta Autowide | 35mm f/2.8 | 1-1/500; MX sync; self timer; LVS | Frameline | Lever wind & rewind; auto zero reset counter; zone focus | $89.50 |

## NON-RANGEFINDER 35MM

| NAME | LENS | SHUTTER | FINDER | NOTES | PRICE |
|---|---|---|---|---|---|
| Olympus Wide E | 35mm f/3.5 | 1-1/500; MFX sync; self timer | Frameline | Lever film transport | $59.95 |
| Voigtlander Vito BL | 50mm f/3.5 or f/2.8 | 1-1/300; MX sync; self timer | Optical 1:1 | Built-in exp. meter; lever film transport | $69.50 w/f/3.5; $79.50 w/f/2.8 |
| Voigtlander Vitomatic I | 50mm f/2.8 | 1-1/300; MX sync; self timer; LVS | Frameline 1:1 | Built-in coupled exp. meter; lever film transport | $89.50 |
| Wittnauer | 45mm f/2.8 | 1/25-1/200; X sync | Optical | Rapid lever film transport | $45.95 |
| Wittnauer Reporter | 45mm f/2.8 | 1/25-1/200; X sync | Optical | Built-in exp. meter; rapid lever film transport | $65.95 |
| Zeiss Contina III | 45mm f/2.8; interch. comp., bayonet | 1-1/300; MX sync; self timer; LVS | Multiple frameline for normal & tele | Front component of lens interch. to make 30mm or 75mm f/4; built-in meter coupled to diaph.; rapid lever film transport | $89 |

# 35MM SINGLE-LENS REFLEX

| NAME | BASIC LENS: INTERCHANGE-ABILITY | SHUTTER | VIEWFINDER | RANGEFINDER | NOTES | PRICE |
|---|---|---|---|---|---|---|
| Alpa 6 | 50mm f/1.8; auto diaph.; bayonet | Focal-plane; 1-1/1000; FP, X sync | 45° eye-level prism; also opt. direct finder for 50, 85/90, 135mm | Split image | Direct opt. viewfinder; quick return mirror | $469 |
| Alpa 8 | 50mm f/1.8; auto diaph.; bayonet | Focal-plane; 1-1/1000; FP, X sync | 45° eye-level prism; also opt. direct finder for 50, 85/90, 135mm | Split image; also sep, coinc. coupled RF. | Quick return mirror | $499 |
| Asahi Pentax | 55mm f/2.2; preset diaph.; screw thread | Focal-plane; 1-1/500; FP, X sync | Eye-level prism | | Instant return mirror | $195 |
| Asahi Pentax K | 55mm f/1.8; auto diaph. | Focal-plane; 1-1/1000; FP, X sync | Eye-level prism | | Instant return mirror | $249.50 |
| Contaflex Alpha & Beta | 45mm f/2.8; auto diaph.; bayonet | Between-lens; 1-1/300; MX sync; LVS | Eye-level prism | Split image | Front lens components interchange to make 30mm, 75mm f/4 lenses. Beta has built-in meter | Alpha, $126; Beta, $149 |
| Contaflex III & IV | 45mm f/2.8; auto diaph.; bayonet | Between-lens; 1-1/500; MX sync; LVS | Eye-level prism | Split image | Front lens components interchange to make 35mm, 85mm f/4 lenses. IV has built-in meter | III, $176; IV, $199 |
| Edixa Reflex B | 50mm f/2.8 preset to 55mm f/1.9 auto | Focal-plane; 1-1/1000, T; FP, X sync | Waist-level, prism or prism rangefinder | Split image | Rapid lever film transport; internal coupling for auto lenses | $169.50 to $288.50 |

| NAME | BASIC LENS: INTERCHANGE-ABILITY | SHUTTER | VIEWFINDER | RANGEFINDER | NOTES | PRICE |
|---|---|---|---|---|---|---|
| Edixa Reflex C | 50mm f/2.8 to 55mm f/1.9 auto diaph. | Focal-plane; 1-1/1000, T; FP, X sync | Waist-level, prism or prism rangefinder | Split image | Rapid lever film transport; internal coupling for auto lenses; built-in exp. meter | $194.50 to $313.50 |
| Edixaflex | 50mm f/2.8; preset diaph. | Focal-plane; 1/25-1/1000, T; FP, X sync | Waist-level, prism or prism rangefinder | Split image | Rapid lever film transport; internal coupling for auto lenses | $99.50 to $143.50 |
| Exakta Automatic IIa | 50mm to 58mm f/2.8 to f/1.9; auto diaph.; bayonet | Focal-plane; 12 sec. to 1/1000; MFX sync; self timer | Eye-level prism; interch. for waist level, stereo finders | Split image | Ground glass in penta prism visor interch.; built-in film cutter; lever film wind | $229.50 to $399 |
| Exakta Light Meter IIa | 50mm to 58mm f/2.8 to f/1.9; auto diaph.; bayonet | Focal-plane; 12 sec. to 1/1000; MFX sync; self timer | Eye-level prism; interch. for waist level, stereo finders | Split image | Prism housing has built-in opt. direct finder & exp. meter; lever film wind | $340 to $439 |
| Kodak Retina Reflex | 50mm f/2; auto diaph.; bayonet | Between-lens; 1-1/500; MX sync; self timer; LVS | Eye-level prism | Split image | Front lens components interchange to make 35mm, 80mm f/4 lenses; built-in exp. meter | $215 |
| Miranda Automatic | 50mm f/1.9; auto diaph.; bayonet | Focal-plane; 1-1/1000; FP, X sync | Eye-level prism; interch. for waist level, crit. focus finders | Split image (factory installed on request) | Adapters take Exakta, Exa, Contax D lenses for use from infinity; Leica, Nikon, RF Contax for close-ups only; lever wind, rewind | $259.95 |
| Miranda Standard | 50mm f/1.9; preset diaph.; screw thread | Focal-plane; 1-1/500; FP, X sync | Eye-level prism; interch. for waist level, crit. focus finders | Split image (factory installed on request) | Adapters take Exakta, Exa, Contax D lenses for use from infinity; Leica, Nikon, RF Contax for close-ups only | $199.95 |
| Topcon-R | 58mm f/1.9; auto diaph.; bayonet | Focal-plane; 1-1/1000; FP, X sync | Eye-level prism; interch. for waist level finder | Split image | Exakta type mount takes Exakta or Topcon lenses; instant return mirror; lever wind, rewind | $269.50 |

# TWIN-LENS REFLEX

| NAME | TAKING & VIEWING LENSES | SHUTTER | FILM/SHUTTER WIND; NO. 1 SET | NOTES | PRICE |
|---|---|---|---|---|---|
| Autoflex M-3 | 80mm f/3.5 T; 80mm f/3.2 V | 1-1/500; MX sync; self timer | Crank, combined; starter marks | | $75.50 |
| Edixa 6 x 6 Reflex | 80mm f/2.8 T; 80mm f/2.8 V | 1-1/300; MX sync; self timer | Crank, combined; starter marks | Lever focusing; hood has Albada type semi-silvered sportsfinder | $99.50 |
| Flexaret IVa | 80mm f/3.5 T; 80mm f/3 V | 1-1/300; MX sync; self timer | Knob; sep. shutter cock; starter marks | Lever focusing; takes both 120 & 35mm | $79.50 w/case & 35mm device |
| Ikoflex Favorit | 75mm f/3.5 T; 75mm f/3.5 V | 1-1/500; MX sync; self timer; LVS | Knob; auto stop; double exp. prev.; starter marks | Stops, speeds visible from above in peep windows | $126 |

## TWIN-LENS REFLEX

| NAME | TAKING & VIEWING LENSES | SHUTTER | FILM/SHUTTER WIND; NO. 1 SET | NOTES | PRICE |
|---|---|---|---|---|---|
| Mamiyaflex C Professional | 80mm f/2.8 T; 80mm f/2.8 V | 1-1/400; MX sync; self timer | Knob; auto stop; sep. shutter cock; starter marks or ruby window | Interch. lenses; dbl. ext. bellows for close-ups to 7 in.; parallax correc. marks; finder hood interch. with eye-level mirror; interch. plate back avail. | $159.50 w/80mm f/2.8, $179.50 w/105mm f/3.5, $189.50 w/ 135mm f/4.5; $90 for body only |
| Mark IV | 60mm f/2.8 T; 60mm f/2.8 V | 1-1/500; MX sync; LVS | Crank; auto stop; double exp. prev.; ruby window | Makes 12 pix 1⅝ in. sq. (4 x 4cm) on 127 film; focus to 26 in.; parallax correc. marks | $79.50 |
| Metarflex | 80mm f/3.5 T; 80mm f/3.5 V | 1-1/300; self timer | Knob; auto stop; sep. shutter cock; starter marks | Body release | $39.95 |
| Ricoh Diacord "G" | 80mm f/3.5 T; 80mm f/3.5 V | 1-1/400; MXV sync; self timer | Knob; auto stop; sep. shutter cock; starter marks | Duo lever focus; stops, speeds visible from above in peep windows; bayonet filter mounts | $46.50 |
| Ricoh Diacord "L" | 80mm f/3.5 T; 80mm f/3.5 V | 1-1/500; MXV sync; LVS | Knob; auto stop; sep. shutter cock; starter marks | Duo lever focus; stops, speeds visible from above in peep windows; bayonet filter mounts; built-in exp. meter | $65 |
| Rolleicord Va | 75mm f/3.5 T; 75mm f/3.2 V | 1-1/500; MX sync; self timer; LVS | Knob; auto stop; double exp. prev.; inten. doubles; sep. shutter cock; starter marks | Kits avail. to make 5 pic sizes; adapters for plates, sheet film, 35mm, super slides; bayonet filter mounts; mech. auto parallax comp. | $99.50; w/case, $114 |
| Rolleiflex Automat 2.8E | 80mm f/2.8 T; 80mm f/2.8 V | 1-1/500; MX sync; self timer; LVS | Crank; auto stop; double exp. prev.; inten. doubles; automatic set | Auto depth of field indicator; mech. auto parallax comp.; bayonet filter mounts; adapters avail. for sheet film, plates, 35mm, super slides; built-in exp. meter opt. | W/meter: Planar lens, $309.95; Xenotar, $294.95. No meter: Planar lens, $274.95; Xenotar, $259.95 |
| Rolleiflex Automat 3.5II | 75mm f/3.5 T; 75mm f/2.8 V | 1-1/500; MX sync; self timer; LVS | Crank; auto stop; double exp. prev.; inten. doubles; automatic set | Same as Rolleiflex Automat 2.8E, above | W/meter: Planar lens, $249.95; Xenotar, $234.95. No meter: Planar lens, $214.95; Xenotar, $199.95 |
| Rolleiflex 4 x 4cm | 60mm f/3.5 T; 60mm f/2.8 V | 1-1/500; MX sync; self timer; LVS | Knob; auto stop; double exp. prev.; automatic set | Makes 12 negs or super slides 1⅝ in. sq. on 127 film; bayonet filter mounts | $133.65 |
| Walzflex 500 | 75mm f/3.5 T; 75mm f/3.5 V | 1-1/500; MX sync; self timer | Knob; auto stop; sep. shutter cock; starter marks | Bayonet filter mounts; body release | $59.95 w/case |
| Yashica 44 | 60mm f/3.5 T; 60mm f/3.5 V | 1-1/500; MX sync; self timer | Crank; auto stop; sep. shutter cock; starter marks | Takes 12 negs or super slides 1⅝ in. sq. on 127 film; bayonet filter mounts | $59.95 |
| Yashica 635 | 80mm f/3.5 T; 80mm f/3.5 V | 1-1/500; MX sync; self timer | Knob; auto stop; sep. shutter cock; starter marks | Includes 35mm adapter; counter for 35 built in; prov. for rewinding 35; g/glass marks for 35; direct viewfinder 35 mask; bayonet filter mounts; stops, speeds visible from above in peep windows | $69.95 w/case & 35mm adapter |
| Yashicamat | 80mm f/3.5 T; 80mm f/3.2 V | 1-1/500; MX sync; self timer; LVS | Crank; auto stop; double exp. prev.; starter marks | Bayonet filter mounts; stops, speeds visible from above in peep windows | $75.50 |

# ROLL FILM (including single-lens reflex, folding and Polaroid)

| NAME | CAMERA TYPE/ PIC SIZE | LENS | SHUTTER | NOTES | PRICE |
|---|---|---|---|---|---|
| Agfa Automatic 66 | Folding; 12 pix 2¼ sq. on 120 | 75mm f/3.5 | 1-1/300; MX sync; self timer; LVS | Coupled coinc. range/viewfinder; built-in exp. meter sets correct shutter speed automatically; auto film stop & loading | $237 |
| Hasselblad 500C | Single-lens reflex; 2¼ sq., or 1⅝ x 2¼ with proper magazine | 80mm f/2.8 interch. via bayonet mount | Between-lens; 1-1/500; MX sync; self timer; LVS; auto depth of field indic. | Ea. interch. lens has own Compur Rapid MX shutter; interch. magazine roll film backs; plate back & g/glass focus panel; interch. knob, exp. meter or crank wind knobs; interch. viewing hoods | $480.50 |
| Kalimar Reflex | Single-lens reflex; 2¼ sq. | 80mm f/3.5; preset diaph.; screw thread | Focal-plane; 1/25-1/500; FP, X sync | 52mm f/3.5 wide-angle, 150mm f/4 tele lenses, extension tubes avail. | $99.50 |
| Mamiya Automatic 6 | Folding; 2¼ sq. | 75mm f/3.5 | 1-1/500; MX sync | Coupled coinc. range/viewfinder; film transport cocks shutter; film plane focus; auto film stop, counter, reset | $99.50 |
| Panox | Panorama; 6 pix 2¼ x 4½ on 120 | 50mm f/2.8 | 1/2, 1/50 & 1/200 sec. | 140° pic angle; auto exp. counter; focus to 3 ft.; 2 spirit levels, vertical & horizontal | $495 |
| Pearl III | Folding; 16 pix 1⅝ x 2¼ on 120 | 75mm f/3.5 | 1-1/500; MX sync; self timer | Coupled range/viewfinder | $99.75 |
| Polaroid Land Highlander 80A | Folding; 8 pix-in-a-minute 2¾ x 3½ | 100mm f/8.8 | 1/25-1/100; EVS | | $72.75 |
| Polaroid Land Pathfinder 110A | Folding; 8 pix-in-a-minute 3¼ x 4¼ | 127mm f/4.7 | 1-1/300; MX sync; self timer; EVS | Coupled rangefinder; opt. viewfinder w/auto parallax comp.; focusing knob on bottom of camera | $169.50 |
| Polaroid Land Speedliner 95B | Folding; 8 pix-in-a-minute 3¼ x 4¼ | 130mm f/8.8 | 1/12, 1/25, 1/50 & 1/100 sec.; EVS | Combination opt. & wire frame finder | $89.75 |
| Polaroid Land 150 | Folding; 8 pix-in-a-minute 3¼ x 4¼ | 130mm f/8.8 | 1/12, 1/25, 1/50 & 1/100 sec.; EVS | Coupled rangefinder; opt. viewfinder with auto parallax comp.; accessory shoe has contacts for flash | $109.50 |
| Polaroid Land 800 | Folding; 8 pix-in-a-minute 3¼ x 4¼ | 130mm f/8.8 | 1/12, 1/25, 1/50 & 1/100 sec.; EVS | Similar to Model 150, but has specially selected shutter & perm. lubricated bearings for steel rollers | $126 |
| Spartacord K-115 | Twin-lens box type reflex; 12 pix 2¼ sq. on 620 | 3¼-in. f/7.7 | 1/50 approx.; X sync | Focus to 8 ft. by scale | $27.95 |
| Spartafold K-95 | Folding; 8 pix 2¼ x 3¼ on 620 | 3⅞-in. f/8 | 1/50 approx.; X sync | Fixed focus; 6 ft. to infinity; price incl. case, flash & bulbs | $27.95 |

# ULTRAMINIATURE

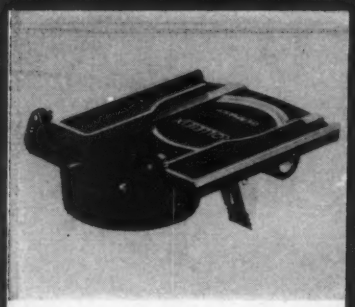
| NAME | FILM & PIC SIZE | LENS | SHUTTER | NOTES | PRICE |
|---|---|---|---|---|---|
| Mamiya Super 16 | 16mm perf.; 10 x 14mm; 20 exp. p/roll | 25mm f/3.5 | 1/2-1/200; M sync | Focus to 12 in.; built-in interch. gelatin filters; single action wheel advances film, cocks shutter | $39.95 |
| Minicord III | 16mm perf.; 25 exp. p/roll | 25mm f/2 | Focal-plane; 1/10-1/400; X sync | Twin-lens reflex; prismatic 45° viewing; vertical lever film transport on rear of camera | $139.50; 24K gold plated, $200 |
| Minolta 16 | 16mm perf.; 10 x 10mm; 25 exp. p/roll | 25mm f/3.5 | 1/25-1/200; X sync | Pushing & pulling inner camera shell moves film, cocks shutter | $39.95 |
| Minox Model B | 9mm unperf.; 8 x 11mm; 36 or 50 exp. p/roll | 15mm f/3.5 | 1/2-1/1000, T; X sync | No diaph.; shutter controls exp.; built-in exp. meter coupled to shutter; built-in neutral density, green filters | $169.95, chrome; $186.95, black |
| Ricoh Golden 16 | 16mm perf.; 11 x 14mm; 20 exp. p/roll | 25mm f/3.5; interch., screw thread | 1/50-1/200; X sync | Frameline finder; gold finish; rapid lever film transport | $39.50 |
| Stylophot | 16mm perf.; 10 x 10mm; 18 exp. p/roll | 27mm f/3.5 | 1/75; X sync | Ready indicator in finder; pocket clip for carrying | $34.50 |

# PRESS AND VIEW

| NAME | PICTURE SIZE | NOTES | PRICE |
|---|---|---|---|
| Calumet 4 x 5 View | 4 x 5 | Made in 3 models: Standard with 16-in bellows, Wide-Angle with 8-in. bellows and Long Focus with 22-in. bellows | Standard, $150; Wide-Angle, $185; Long Focus, $175 |
| Fo-Graf-Fek | 2¼ x 3¼ | Pre-drilled for installation of coupled rangefinder; sportsfinder | Less lens: black, $68.50; polished, $80 |
| Linhof Kardon Color | 5 x 7, 8 x 10 models | Bellows may be added in any number of sections to make total extension of 47mm to unlimited | 5 x 7, $425; 8 x 10, $695 |
| Linhof Super Technika, 1957 | 2¼ x 3¼ | Lenses 53 to 240mm couple to rangefinder via interch. cams; multiple focus viewfinder; parallax comp. | $477.75 w/105mm f/3.5 Xenar; $622.50 w/100mm f/2.8 Planar |
| Linhof Technika Press | 2¼ x 3¼ | Lenses couple automatically to built-in combined multifocal range/viewfinder; parallax comp.; adaptable to 120 rolls for 2¼ sq. or 2¼ x 3¼. No front movements | $695 w/100mm f/2.8 Planar |
| Super Graphic 45 | 4 x 5 | Lenses from 90mm to 15 in. cam-couple to built-in RF; auto flash computer; all-metal body; electric shutter release | $375 w/135mm f/4.7 Optar |
| Szabad Universal | 4 x 5, 5 x 7, 8 x 10 models | Lenses from 3½ to 18 in. for 4 x 5; 4 to 24 in. for 5 x 7; 4 to 30 in. for 8 x 10 | 4 x 5, $246; 5 x 7, $312.60; 8 x 10, $390 |

# MODERN'S CHRISTMAS SHOPPING GUIDE

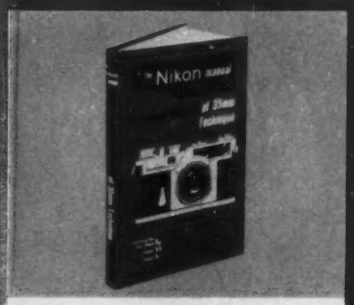
Choosing a present for a photographer can be a problem. Try taking a trip from the equipment he has—and add accessories. MODERN's Christmas Shopping Guide ranges from albums to underwater housings. From it select the ideal gift for your photographic friend. All accessories available at your local dealer.



Rolleifix permits instant mounting and release of camera from tripod or flash bracket. Saves time, annoyance; fits all models with grooved bottom socket plate. $5.95. Burleigh Brooks, 10 W. 46, N. Y.

Most convenient flash for Rollei, the compact BC Rolleiflash has exclusive shock mount which bayonets to camera for direct flash. Arm length extension cord. $24.95 at your dealer. Burleigh Brooks.

Rollei users: improve your pictures with lens accessories. Rolleinar lenses permit focus as close as 9 in., cost from $14.95 to $20.95. Finest optical filters for b & w and color, from $4.95 at your dealer.

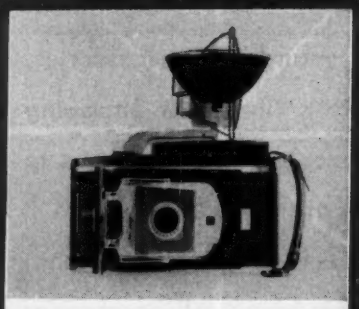



*The Nikon Manual* covers every aspect of 35mm technique. A library of information in one volume. Models S, S2 and SP completely discussed. $5.95 at your photo dealer. Nikon, Inc., 251 4th Ave., New York.

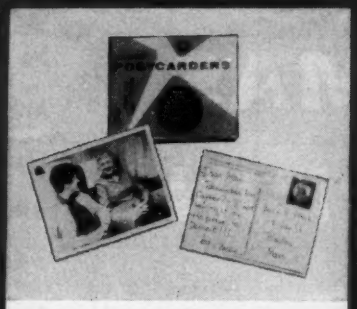
Carry all you need to make indoor movies in extra storage compartments of Y-Pak barlight case. Unit is half the size and just as bright as other barlights. PM 2 (with 2 lamps), $14.95; PM 4, $22.50. Arel.

For movies or stills: the Golden Crown meter. Pointer lock memorizes light level, Dynacell boosts sensitivity 16X for low light. $34.50 at your dealer. General Electric, 40 Federal St., Lynn, Mass.

# ACCESSORIES

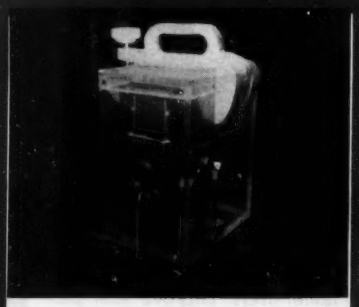


Now! You can take both horizontal and vertical bounce flash pictures without removing gun from camera! New swivel-type Bounce Flash Bracket #292 for Polaroid Land cameras. $2.95 at your dealers.



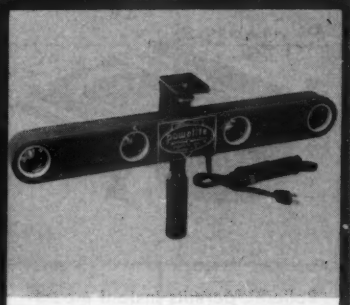

Ideal for peripatetic Land camera users! You can snap a picture, convert it to a post card on the spot. $.95 for 25 at your local camera store. Polaroid Corp., 730 Main St., Cambridge 39, Mass.

Polaroid Print Copier gives you excellent duplicates—within 60 seconds. Available for all Polaroid Land cameras, with no accessories needed. $29.95 at your local camera store. Polaroid Corp.

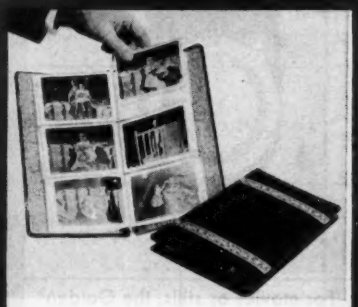


Skin divers! Ciampi-Starr Universal Plexiglass Housings for cameras up to 5 x 5¾ x 8 in. 3 Double-O Ring controls. Safe to 100 ft. without pressurizing. $49.95 at your dealer. Richards, 233 W. 42 St., N. Y.

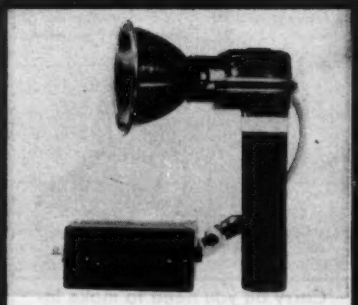
Indoor color movies without barlights when you use fast Yashinon f/1.4 lenses. 38mm tele $39.95; 6.5mm W. A. $44.95. Yashica-Scope wide-screen attachment $39.95. Yashica, 234 5th Ave., N. Y.



Easy-to-use Powelite barlight makes indoor movie taking a pleasure. With bracket, handle and 6-ft. cord, $7.95. Also in a convenient carry-pak with four 375 W/R30 lamps for $15.95 at your photo dealer.



Display and protect your snapshots in Pik-Pak Albums. 18 double acetate pockets hold 36 photos, extra fillers may be added. $3.95 at your dealer or The Holson Co., Belden Ave., Norwalk, Conn.

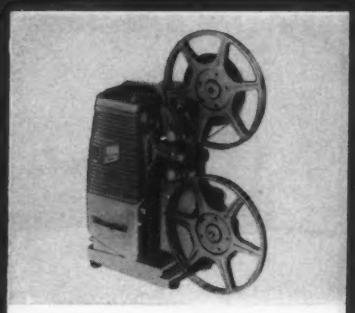


Ideal speed light for pictures at home. Mighty Light AC weighs ½ lb., gives 100,000 flashes per tube. Guide number of 30 for Kodachrome. $48.95 at your dealer. Speedlight Center, 1265 Bdwy., N. Y.

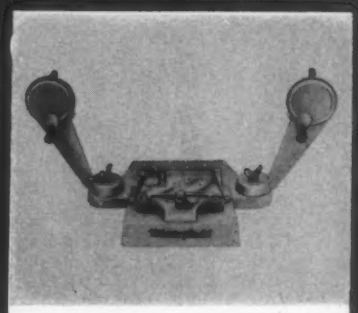
New revised edition has information on very fast b & w and color films. Chapters by 11 experts tell you how to work in almost any low light level. $5 at your local photo dealer, or AMPHOTO, 33 W. 60 St., N. Y.

# make ideal gifts

The only wide-screen editor made! The Mansfield Holiday Editor features 4½ x 6-in. brilliant picture, geared rewinds, automatic film splicer. $64.50 for 8mm; $69.50 for 16mm with case at your photo dealer.

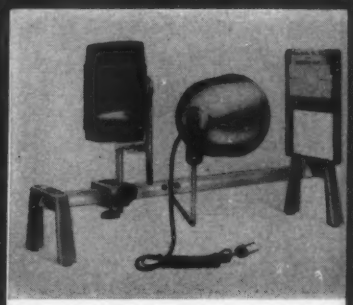


The Holiday 500W 8mm projector has 400-ft. reel capacity, swing-out gate for easy loading. F/1.6 coated lens. Die-cast aluminum. $59.95 at your dealer. Mansfield Industries, 1227 Loyola Ave., Chicago.



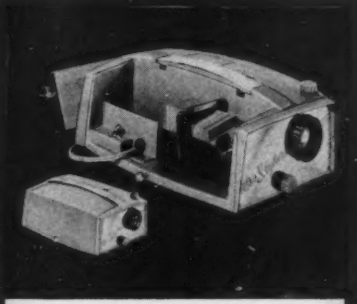
Mansfield Rewind and Splicer combination features Little Gem Splicer with dry scraper auto. spring releases and rubber leg mountings. Die-cast aluminum base. Unit folds away for storing. $11.95.

Movie makers! You can splice 8 or 16mm films with the Mansfield Holiday Automatic Splicer. Equipped with non-clogging patented radial dry scraping blade. With Cinement, $6.95 at your dealer.

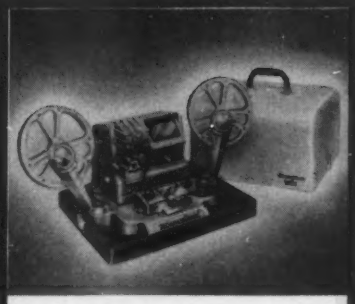


Add titles to your home movies! Mansfield Professional Titler, for use with all 8 and 16mm movie cameras, comes complete with light unit and blank title cards. $19.95 at your local photographic store.

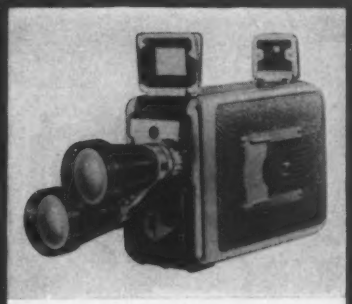
Color photographers! Project 35mm and super slides in the Mansfield Starlite. Coated optical system. Prestomatic Changer holds 36 slides. Lowest priced automatic projector at $24.95.



Project your color! Mansfield Skylark Automatic Projector is 300 watt, blower cooled. F/4.5, 4-in. coated lens, self-contained case. For 2 x 2 and super slides. $44.95 with Prestomatic changer.

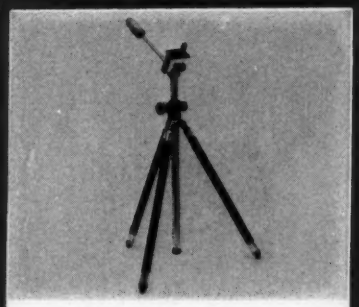


Mansfield Portable "De Luxe" Editor features a brilliant 2 x 3-in. picture area, action viewer and automatic film splicer. Fold-A-Way rewinds. With case, $45 for 8mm editor; $49.50 for 16mm.

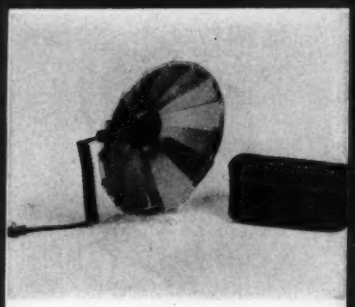


Increase the versatility of your Brownie movie camera with the Mansfield turret attachment. Wide-angle lens increases picture area 4X—telephoto lens magnifies 2½ times. Only $19.95 at your dealer.

# ACCESSORIES

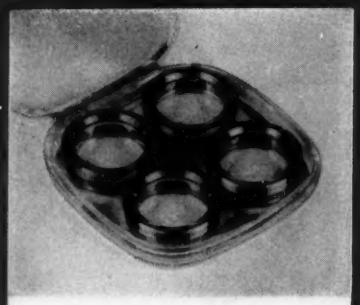


Special features on the Accura Risomatic tripods include parallax correction markings, "Quick" panhead with instant camera on-off plug. From $14.95 at your dealer. Photo. Import. & Dist. Corp.



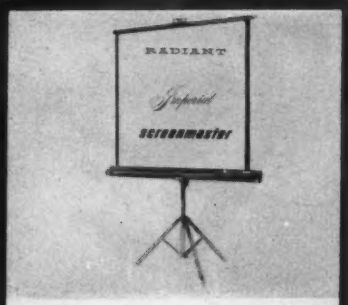
There's an Accura Fanflash unit for any situation—and every pocketbook. Eight models from $3.95 to $9.95 at your local dealer. Photographic Importing & Distributing Corp., Box 47, Flushing, N. Y.

You can take wide-angle and tele shots with non-interchangeable lens cameras! Accura aux. lenses fit virtually all 35mm, 2¼ and Polaroid Land cameras. $16.95 up. Photographic Import. & Dist. Corp.

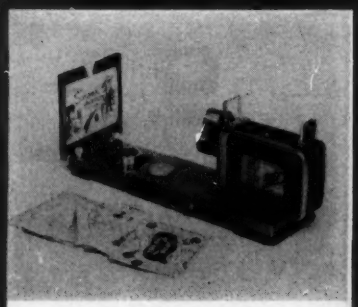


For Contaflex or Contina cameras. Four proxar lenses (slip-on mount, 28.5mm) in plastic case. For distances from 6 to 40 in. $20 at your dealer. Carl Zeiss, Inc., 485 5th Ave., New York, N. Y.

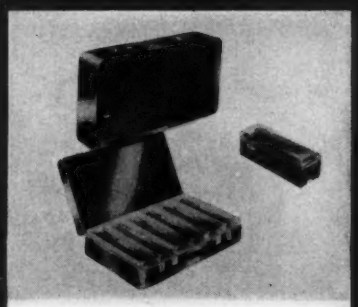
Switch lenses in seconds! No adapters needed for Petri auxiliary tele and wide-angle objectives. Kit with both lenses, Turret Viewfinder, case, $39.95 for f/2.8, $49.50 for f/1.9. Petri, 11 W. 20 St., N. Y.



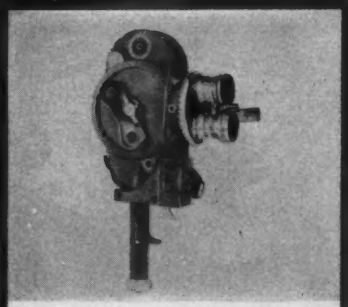

Radiant Screenmaster has the new "lenticular" Uniglow surface with the brightness of glass beads and viewing angles up to 180°. From $34.95 at your dealer. Radiant Mfg. Corp., Box 5640, Chicago, Ill.



The Premier Versatile Titler is easily adjustable for use with all 8 and 16mm movie cameras. Comes with lens holder, aux. lens and title cards. $6.95. Photo Materials Co., 2100 W. Fulton St., Chicago.

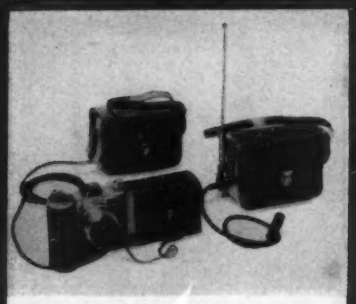


Deluxe Plastic Case with six trays for TDC, B & H, Viewlex, Keystone and AO projectors is lightweight, protects slides from dust, damage. $5.95. Yankee Photo Prods., 3325 Union Pacific, Los Angeles.



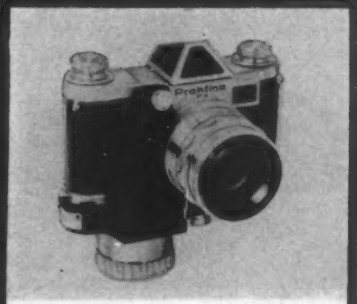
NCE Trigger-Grip makes it easy to shoot hand-held movies! Fits all Filmo 70 series cameras; is also available for the Filmo 240TA. $29.95. National Cine Equipment, Inc., 209 W. 48 St., New York.

# make ideal gifts



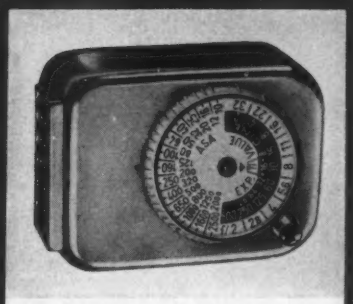
Radina Radio Control Unit makes it possible to operate your Praktina from a mile away —without wires! $130 at your local camera store. Standard Camera Corporation, 319 Fifth Ave., New York 16, N. Y.

Macro and microphotography with the Praktina! Extension bellows and tubes offer magnification ratios from 1/10 life size to more than 10X. $12 up. Standard Camera Corp., 319 5th Ave., New York, N. Y.

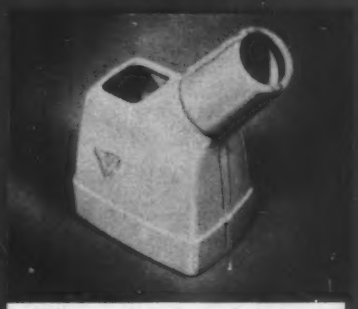



Capture action in sequence! Praktina Rapid Sequence Spring Motor lets you shoot as fast as you can press the release button. $69.50. Standard Camera Corp., 319 5th Ave., New York.

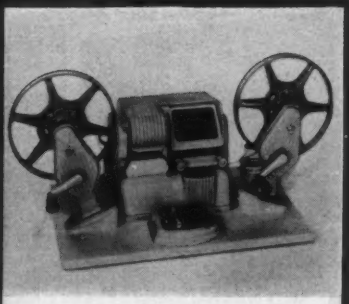
For home movie makers: Deluxe Magic Master Movie Titling Set makes titling easy. Standard, 3-D, live-action titles. 480 letters, 3 styles. $12.95. J. Struhl Co., 540 Atlantic Ave., Bklyn., N. Y.



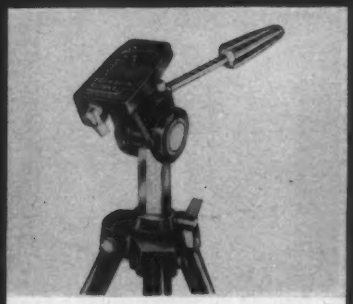
Convenient clip-on meter fits camera accessory shoe. For reading, just press button while sighting subject; reading remains fixed. The Bewi Automat "C," $22.50 at your local photographic dealer.



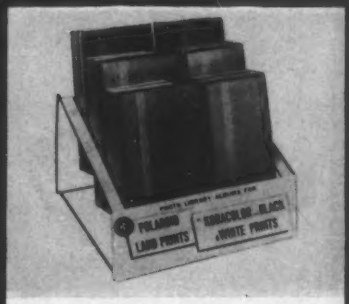
Eliminate guess work in focusing your enlarger. The B & L Enlarging Focusing Magnifier saves time, materials. $6.50 at your dealer. Bausch & Lomb Optical Co., 55958 Lomb Park, Rochester 2, N. Y.



The new Compco combination table viewer and editor is ideal for small group showings and for editing your movies. For 8mm and 16mm. $49.95 at your dealer. Compco Corp., 1800 N. Spaulding, Chicago.

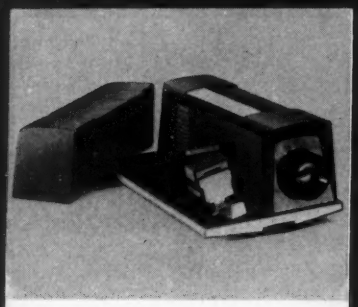


New lightweight economy model Stanrite Superpod has extra 90° tilt on panhead, 13¾-in. elevator rise. Two, three and four section models, $14.95 up at dealers. Testrite, 135 Monroe, Newark, N. J.




ABC Photo Library Albums protect snapshots, make viewing and filing easy. For Polaroid Land 30 and 40, Kodacolor and b & w 3½ sq. and 3½ x 5. $4.95. Strathmore Sales, 495 Wythe Ave., Bklyn.

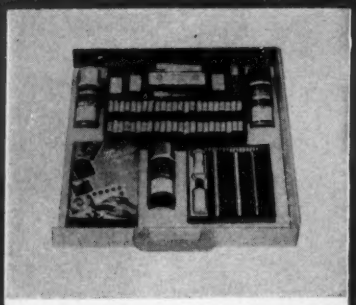
# ACCESSORIES



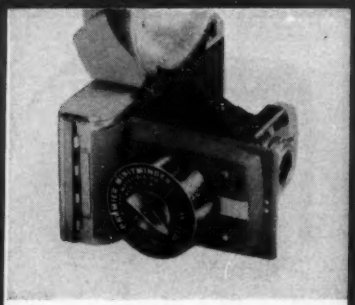
Opta-Matic projector operates automatically without trays or magazines. New cooling system keeps slides in focus. Changer holds 36 slides. $49.95. Optics Mfg. Corp., Willard & Amber, Phila., Pa.

The Printor meter photoelectrically determines exposure for color or b & w enlarging. Saves time and money. $39.95 at your dealer or Lester C. Hehn-Engineering, 30 Manorhaven Blvd., Port Wash., N. Y.

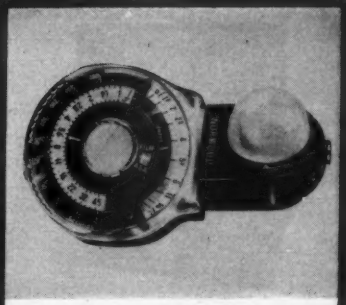
New Kalimar Deluxe Automatic Exposure Meter gives direct readings in f-stops, EVS (LVS) and movie settings. With incident light attachment, $14.95. Case and neckstrap, $2. Kalimar, Inc., St. Louis, Mo.



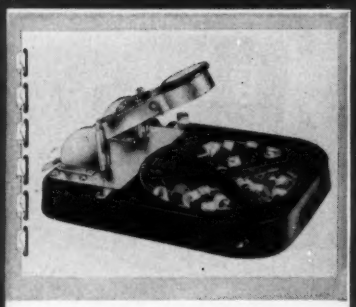
Marshall's new Gift Package combines the complete line of famous photo and art coloring accessories. Everything needed to hand color glossy and matte photos, greeting cards and Polaroid Land prints. $24.95.



Premier Minitminder times Polaroid Land prints. No clock watching necessary—just flick the knob and wait for the bell. $4.50 at your dealer. Photo Materials Co., 2100 W. Fulton St., Chicago, Ill.



The Walz Norwood Super Director Exposure Meter. $19.95, including case, Heliosphere, Heliogrid and Heliovalve for direct reading f-stops. U. S. Photo, 6478 Sligo Mill Rd., Washington, D. C.



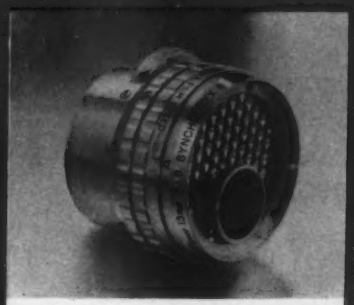
Construct your own scrapbooks and albums with do-it-yourself binding kits. Two, three and four-hole models, $11.90 to $29.90 at your photo dealer. Tauber Plastics, Inc., 200 Hudson St., New York 19, N. Y.

Musical albums, by Camille, are now available in the same sizes as their non-musical albums. Three price ranges, at your dealer, or contact the Camille Co., Inc., 19 Rockwell Pl., Brooklyn 17, N. Y.

A comprehensive guide for all twin-lens reflex users. *Guide to Rollei Photography* contains information on shooting and darkroom work. Many illustrations. $6.75 at your dealer. AMPHOTO, 33 W. 60 St., N. Y

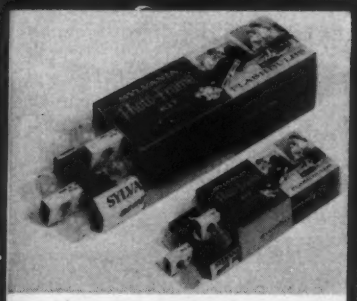
# make ideal gifts

Solution to the movie close-up problem! The Elgeet Cineflex reflex housing permits ground glass view of subject before, during and after shooting. Adds direct viewing found only in $250 cameras. $9.95.

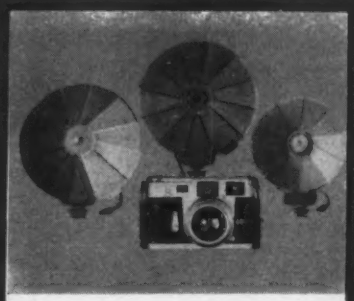


Now! Make any movie camera completely automatic! The Synchronex-8, the first fully automatic lens for color photography, fits all 8mm cameras. F/1.8 13mm. Aperture can be set manually. $59.95.

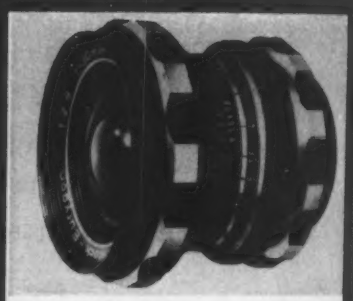
Just preset film and shutter speeds, and the Weston DR instantly shows the correct f-stop. $18.95 at your dealer. Weston Instrument Corp., Div. of Daystrom, Inc., 614 Frelinghuysen Ave., Newark, N. J.



Capture the magic of the holidays with Sylvania Blue Dot Flashbulbs. Press 25 and M-25 sizes are both available in the special Holiday package at your dealer. Sylvania, 1740 Broadway, New York 19, N. Y.

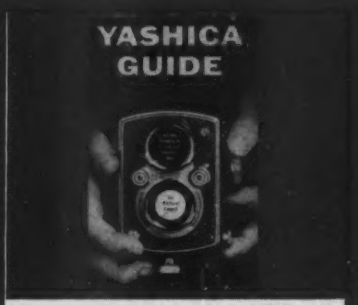


PM Standard BC flashgun fits into pocket or handbag, automatically adjusts for #5 or M5 bulbs without adapter. Built-in test lamp and ejector. $7.95 at dealers. Kalimar, Inc., 4916 Shaw Blvd., St. Louis, Mo.



Fastest extreme wide-angle, the Rodenstock Eurygon 30mm f/2.8 lens fits Edixa Reflex, Praktica, Asahi Pentax, Pentacon and Hexacon. Click stops. $89.50. Edixa, 10 S. 2nd Ave., Mt. Vernon, New York.

Add titles to home movies! Low priced Movielux Movie Titling Set has 700 letters in two styles, three colors. Just press on. Completely equipped, $5.95. J. Struhl Co., 540 Atlantic Ave., Bklyn.




The *Yashica Guide* by Richard Lowell tells you just what to do in almost every possible shooting situation, with both black-and-white and color. $1.95 at your dealer or AMPHOTO, 33 W. 60 St., New York, N. Y.

The Academy Junior Tripod features "Radialoc" Pan Head for smooth, efficient operation. Excellent for movies and stills. $13.95 at your dealer. Pagliuso Engineering Co., 113 W. Harvard St., Glendale 4, Calif.

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## INTERNATIONAL COMMUNICATIONS

W. P. MARSHALL, PRESIDENT

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KOENIGWINTER 436 29 0022

LT JACQUELYN BALISH, EDITOR

MODERN PHOTOGRAPHY 33 WEST 60 ST NYK

GREETINGS FROM PHOTOKINA. AGFA HAS 35 MM 120 AND LARGER FILM WITH INDEX OF 8 00 ,CALLED ISOPAN RECORD GRAIN IS AMAZING. AVAILABLE IN US SOON. BIG BATTLE RAGING BETWEEN FOCAL PLANE AND LEAF SHUTTER CAMERA MANUFACTURERS IN MAKING EYE-LEVEL REFLEX CAMERAS MORE AUTOMATIC BUT SIMPLER TO USE. ZEISS HAS HIGH PRICED 35 MM FOCAL PLANE SHUTTER CONTAREX WITH EXPOSURE METER COUPLED DIRECTLY TO LENS DIAPHRAGM. METER NEEDLE CAN BE SEEN RIGHT IN VIEWFINDER.

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BRAUN SHOWING PAXETTE AUTOMATIC EYE - LEVEL REFLEX WITH NEW COMPUR SHUTTER. COMPLETE INTERCHANGEABLE LENSES TO 20MM PLUS BUILT-IN EXPOSURE METER COUPLED DIRECTLY TO LENS OPENINGS. AGFA ALSO HAS 35MM EYE-LEVEL REFLEX WITH COMPUR SHUTTER AND INTERCHANGEABLE LENSES PLUS EXPOSURE METER. NEW ROLLEI HAS BUILT-IN EXPOSURE METER WITH DIRECT COUPLING TO LENS DIAPHRAGM. ROLLEI ALSO SHOWING SENSATIONAL NEW BRILLIANT PLASTIC GROUNDGLASS MADE OF TINY INDIVIDUAL PRISMS. LEICA HAS F/2 35MM,21MM F/4 LENSES,NEW PROJECTOR PLUS TINY EYE LEVEL REFLEX HOUSING COUPLED TO CAMERA BODY.

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B46CC 8K PAGE THREE

ELECTRIC EYE MOVIE CAMERAS HAVE PROVISION FOR CHANGES IN FILM AND FOOTAGE SPEEDS. AGFA 8MM CAMERA HAS ELECTRIC EYE SYSTEM WITHOUT PHOTOELECTRIC CELL WORKS ON ENTIRELY NEW PRINCIPLE. 8MMZEISS MOVIE PROJECTOR USES 50 WATT BULB BUT HAS BRIGHTNESS OF 750 WATT UNIT. INEXPENSIVE SOUND SYNCHRONIZER ATTACHES ON TOP,WORKS WITH ANY TAPE RECORDER. NEW 8MM LIP SYNCH SOUND MAGNETIC PROJECTOR. HAS SENSATIONAL FIDELITY TO 7000 CPS.PRAKTINA 2A HAS COMPLETELY AUTOMATIC LENS,DOESN"T NEED COCKING. ANGENIEUX AND ISCO SHOWING 24MM F/4 AUTOMATIC LENSES FOR FOCAL PLANE REFLEXES. ISCO,ENNA,STEINHEIL READY WITH COMPLETELY AUTOMATIC LENSES WHICH NEED NO COCKING FOR EDIXA, PENTACON,PRAKTINA,ETC.

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B46CC 8K PAGE FOUR

ILOCA HAS BATTERY DRIVEN 35MM SEQUENCE CAMERA WITH METER COUPLED TO LENS DIAPHRAGM PLUS INTERCHANGEABLE LENSES AND COUPLED RANGEFINDER. NEW SCHNEIDER 15MM MOVIE LENSES HAVE AUTOMATIC DEPTH OF FIELD INDICATORS. NEED A 35MM VIEW CAMERA WITH FULL SWINGS AND TILTS? THE ENGLISH HAVE ONE. FRENCH FOCA HAS 35MM FOCAL PLANE EYE LEVEL REFLEX CAMERA. NICKEL CADMIUM WET-CELL FLASH UNITS MORE COMPACT THAN EVER.ARE RECHARGEABLE.PERUTZ,AGFA,ADOX,ALL HAVE NEW COLOR FILMS BUT WILL THEY HIT AMERICA MARKET?

SEE NEXT MONTHS MODERN FOR COMPREHENSIVE SPECIAL REPORT ON PHOTOKINA.

WOLFMAN KEPPLER GROSSMAN WOLBARST

1250A SEPT 29 1958

by JOHN WOLBARST

# LOOK FOR GOOD BUYS IN VINTAGE CAMERAS

WHAT MAKES A CAMERA a vintage camera? Not merely age, for there are myriad antiques around which had best be left unbought. Not just the fact that many years ago the camera was expensive and glossy, for I can name you a few high priced photographic monstrosities. Certainly not the qualities of being obsolete and unworkable, for none of the cameras shown fall into that classification.

It seems to me that to be a vintage camera, these minimum qualifications must be met: It is no longer manufactured. The camera can be of any age and in any price range—ten years from now I would certainly include Kodak's current Brownie Starflex. It need not be a "universal" camera, in the sense of being able to do everything equally well, but it should be designed to perform some function outstandingly, perhaps even uniquely well. The design should be clean and relatively simple, keeping in mind the manufacturing styles of the period in which it appeared. Finally, if in good condition, it must be capable of excellent picture taking and there must be a film size generally available for it.

Every one of the cameras shown meets these specs. I could think of other fine cameras, and some people may disagree with me on some of these choices. But what a range of wonderful picture taking abilities they represent! And with the exception of the Meridian, which is rather a rare bird, all of these cameras are currently to be found at low prices in photo stores and hock shops.

Let no one think I'm putting these ahead of today's excellent products. When it comes to ease of handling, viewing and rangefinding, some of these cameras really show their age. But, for sheer picture taking ability, under conditions to which they are suited, none of these need take a back seat. In my opinion, they are the real "vintage" cameras. Let's take a closer look at the fine old picture takers on the opposite page.

**MERIDIAN 4 X 5 (No. 8):** This rugged, versatile, all metal press and view combination never got very far—it was always in the shade of the more glamorous and famous Linhof. Yet, in my opinion, until the very latest model Linhof Super Technika IV came along recently, the Meridian had more and better movements of the lensboard. However, the bellows extension is only double, as compared to the Linhof's giant triple extension. I have owned the Model B shown for about 10 years and wouldn't trade it for anything (except maybe a Model C). The finish is a bit rough, and the front standard could be a bit stiffer (it was in the rare Model C, which is a prize if you can find one). I've converted the revolving back to the Graphic-Graflok type, so I can use roll films too. The first Meridian, the Model A, had a circular lensboard, and I would not recommend it due to lens mounting complications. The Model B and Model C take the Standard "C" lensboard. I think you may have to find private sellers as I haven't seen a Model B or C in a store in years.

**KODAK RETINA IIa (No. 6):** This is a little beauty, very compact and, within the limits of accuracy possible with a folding camera, a remarkably good picture taker. It was the first Retina with a rapid film wind lever. This camera can drop into a pocket and remain inconspicuous until needed. It has flash sync too, although why anyone would ever use flash with it is a mystery to me. The one drawback is that the view/rangefinder could have used some improvement (it was very much improved in later model Retinas) but for the current price it's quite a camera. From $70 to $95.

**ZEISS SUPER IKONTA A (No. 3):** I had an early one and it was a sad day when someone lifted it. Smaller and more compact than almost any 35mm camera, it gave 16 pictures 1¾ x 2¼ on a roll of 120 film, and were they sharp! Variations of this camera were made from 1934 to 1956. Later models had a tricky viewfinder which some people didn't like. The era of 35mm color helped to kill off the Super Ikonta A, but today we have super slide kits, and with a bit of film waste at the edges this camera should make great super slides. And there's Kodacolor, too. With excellent f/3.5 lenses (mostly 75mm Zeiss Tessars and Schneider Xenars) coupled to a remarkably good folding rangefinder (shown folded), these are formidable picture takers. Due to the variety of models (see "Buying Guide"), prices range from $28 to $70.

**ZEISS SUPER IKONTA C (No. 5):** The mechanics and history of the C are similar to those of the Super Ikonta A, except that the C made 8 pictures 2¼ x 3¼ on 120 film. In addition to being great for scenics (and pocket portable for hikers) the accurate folding rangefinder makes it good for closer work. Check the "Buying Guide" so you can identify the early models with slower shutters and lenses. Prices range from $44 to $80.

**LEICA MODEL III (MODEL F) (No. 4):** This, to many people, is *the* classic Leica, and what a great little camera it is. I've had *(Continued on page 178)*

PHOTO LEONARD BALSER

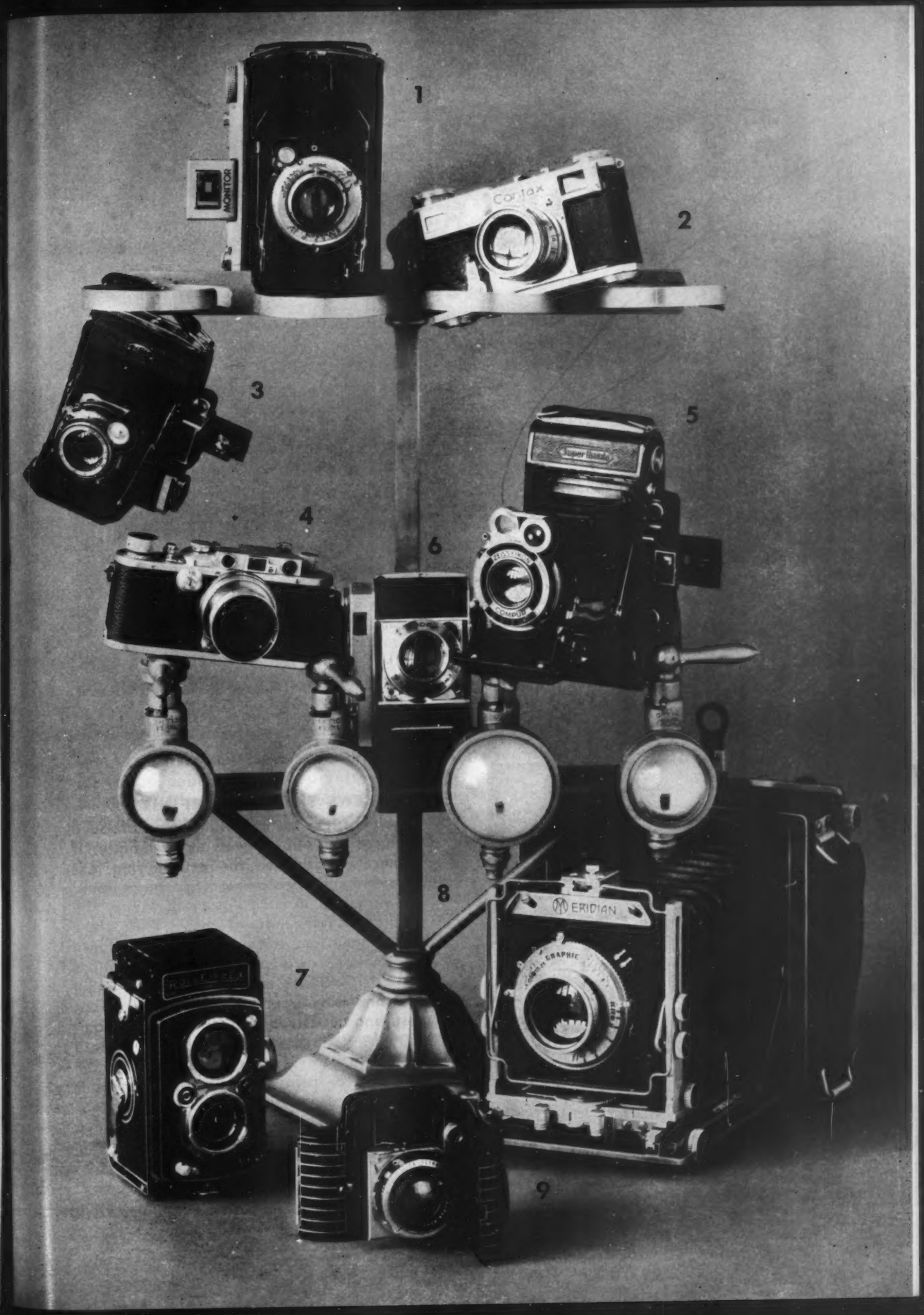
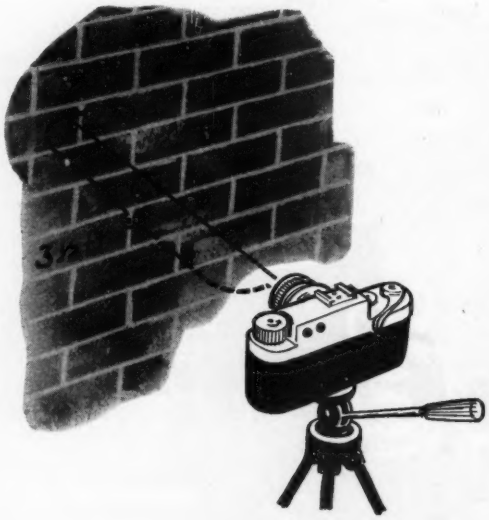


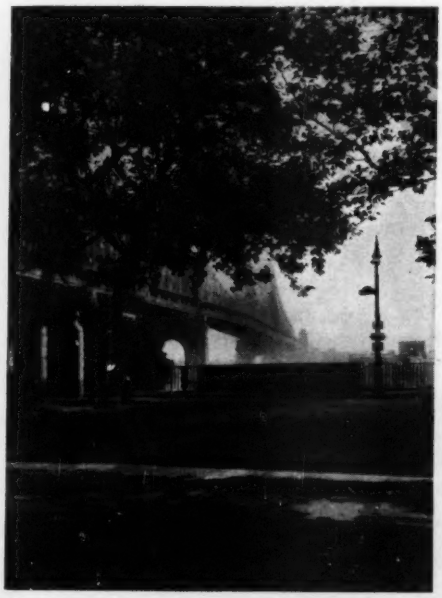

PHOTO LEONARD BALSER

# FOUR-WAY




### CHECK FOR RANGEFINDER FOCUS

Here's how to check your focus. Place camera on a tripod, 3½ feet from a brick wall. Minimize depth of field by using widest aperture and focus on the wall with rangefinder. For this test, as in others, use a moderately fine grain film and developer combination. Do not change settings during this entire test (that includes camera focus). Make three photographs—one at the focused 3½ ft., one at 3 ft. and one at 4 ft. View negatives with a 10X to 20X magnifying glass and compare sharpness. If negative made at 3½ feet is sharpest, then rangefinder focus is correct. If either of others is sharper, then focus is off.



### LENS SHARP AT INFINITY?

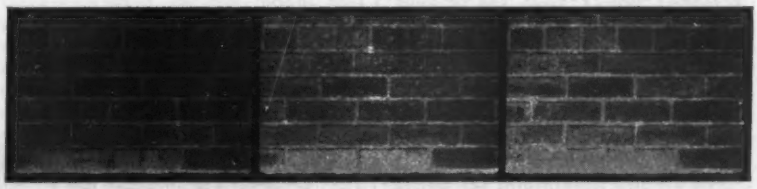
A camera-lens combination should produce pictures close-up as well as at infinity. If camera was dropped, the focusing ring, lens mount or infinity stop on the camera could be damaged in such a way that only the infinity focus is rendered useless. Here's how to test your lens at infinity: Focus at infinity and make a few exposures with the camera on a tripod. Use a moderately fine grain film and developer combination and view resulting negatives with 10X to 20X magnifier. If you have a steady enlarger, make a 10X enlargement on glossy paper. If the negative or print seems sharp, then your infinity focus is fine.

# LENS TEST!

**TEST FOR SHARPNESS WIDE OPEN**

The easiest method for testing your own lens at widest aperture is to use it that way. Set your camera on a tripod and focus about 3½ feet from a brick wall. Use a moderately fine grain film and developer combination. Take a few photos at the widest aperture using the appropriate shutter speed for correct exposure. View the negatives with a 10X to 20X magnifying glass, or make a 10X enlargement with a steady enlarger (use glossy enlarging paper). You will probably find sharpness falls off in the corners, as in the illustration here. It's for you to decide if the fall-off is acceptable or severe enough to be objectionable.

**WHAT'S YOUR OPTIMUM APERTURE?** Make series of exposures of a brick wall—use tripod, cable release, moderately fine grain film and developer combination. Focus camera 3½ feet from brick wall and make a series of six exposures starting at widest aperture. Stop down one f-stop for each consecutive exposure (adjusting shutter speeds for correct exposure). Make contact strip on glossy paper and examine closely. Optimum aperture produces the sharpest frame.



f/2 f/2.8 f/4

f/5.6 f/8 f/11

# MODERN

MODERN PHOTOGRAPHY'S exclusive monthly equipment report section devoted to informative, unbiased field tests of equipment submitted to the editors for review.

## METAL SHUTTER FOR CANON VI-T

**Specifications: 35mm rangefinder camera. Lens: Various Canon lenses. Shutter: Vinyl-coated stainless steel focal-plane; speeds from 1 to 1/1000 sec., B; and X setting for electronic flash. Viewing: Combined range-viewfinder with three focal length positions—50mm and 100mm, 35mm, and 1.6 magnification. Other features: Etched frame viewing for 50 and 100mm lenses with built-in parallax correction, parallax corrector built into the accessory shoe, film speed selector dial does not rotate when exposure is made, built-in retractable single stroke rapid film advance trigger on bottom of camera, automatic resetting frame counter. Price: Body alone with exposure meter, $219.50; with 50mm f/2.8, $289. Importer: Scopus/Brockway, Inc., 404 Fourth Ave., New York, N. Y.**

Although the Canon VI-T is very similar in design to the previous model V, consider the fact that looks are only skin deep. Then it's possible to talk about the many new—and certainly interesting—features.

Look, for example, at its novel shutter. Precision thin, it has the look and feel of the most delicate rice paper. But don't be deceived! Under the black vinyl coating is durable stainless steel, of all things, that rolls up as briskly as any cloth equivalent we've seen. Why stainless steel? The manufacturer asserts that such a shutter can never be accidentally burned by a concentration of light rays on the focal plane. (Such freaks have been known to occur when a camera is left in the sun without a lens cap.)

The new shutter works on the same principle as the "old" cloth type, incidentally. It moves across the focal plane horizontally and is rolled up on the same sort of rollers used on previous Canons.

In other features, the VI has the traditional Canon finesse. It is solidly built, and the lenses available for this model are of the same excellent quality as those being used with older model Canons. Lens mount is standard screw-in type, which accepts Leica mount lenses.

Before field testing, we hefted the VI, operated all mechanisms, which purred, and took a second look through the range-viewfinder. Here's what we discovered: Not only is the focusing spot very bright (the mirror is now coated with silver instead of gold), but in addition, the entire viewing frame is brighter—almost as bright as having no viewfinder at all. Many times, to make it easy to focus, camera manufacturers make the viewfinder (which surrounds the rangefinder spot) a bit darker than the spot itself. In creating contrast between the images, this facilitates the job of focusing, particularly in low light levels.

The tri-position single window range-viewfinder, when placed in the 50mm position (for lenses of "normal" focal length), caused some approving sighs. The reason: in the 50 and 100mm position the viewfinder gives a 1:1 image. The image in the viewfinder is the same size as the image if viewed with the naked eye. However, if the picture taker wears glasses, it is hard to see the 50mm etched frame.

At times the rapid film advance trigger built into the base plate seemed to be a little sticky. But it does advance the film rapidly. The automatic resetting frame counter is a time-saving feature of the new Canon.

Now, about the meter. The special photoelectric exposure meter that's available for the Canon VI couples to the single dial shutter speed selector. Just select a shutter speed and adjust to it—and you can read the correct f-stop right off the meter and then adjust the lens aperture accordingly. The meter comes with a 4X booster as well as incident light attachments. A selector knob is used to set the correct scale with and without the booster. When attached to the camera, the meter covers the viewfinder selection window and also the folding rapid rewind crank. Therefore, the meter must be detached from the camera when you want to rewind exposed film and replace it with a fresh roll. Despite this inconvenience the meter performs well when used in low light levels with the booster attached.

All considered, we liked the new Canon VI.—E. M.

## RICOH WIDE HAS 35mm f/2.4 LENS

**Specifications: 35mm rangefinder wide-angle camera. Lens: 35mm f/2.4 six-element Ricoh-S Kominar;**

# TESTS

the newest cameras
the latest films
important accessories

**focuses from 2 ft. to infinity. Shutter: Seikosha MXL; speeds from 1 to 1/500 sec., B. Viewing: Combined range-viewfinder; luminous floating frame. Other features: LVS; single stroke rapid film advance; folding rapid rewind crank; cordless flash contact in accessory shoe, with additional flash contact on front of camera; film reminder; film counter which indicates remaining unexposed frames; camera is lightweight and small, of die-cast alloy construction. Price: $79.95. Importer: Osawa and Co., 521 Fifth Ave., N. Y., N. Y.**

Newest entrant in the field of wide-angle cameras is the Ricoh Wide, with its non-interchangeable 35mm f/2.4 Kominar lens.

We field tested the Ricoh and found it compact, lightweight and handily portable. Proximity of the shutter release and rapid film advance proved to be a fine feature for quick shooting. The lens focuses from two feet to infinity by moving the focusing button approximately one-fifth turn around the lens mount. We found we could focus easily, making it a simple matter to photograph moving subjects with the "follow focus" technique. However, the luminous floating frame range-viewfinder on the model we tested appeared to be slightly distorted, with vertical lines bending toward the center of the frame. Parallax correction markings were helpful in shooting close-up.

The LVS system is simple, with numbers 2 to 16 incorporated on the lens mount. All adjustments on this Ricoh are easy to see. The LVS numbers are green on a black background, shutter speeds white on black, the distance scale black on shiny chrome. For those who have not yet learned to think in LVS, a small window on the lens mount shows the f-stops.

The rewind button situated on the bottom of the camera must be depressed with thumb or forefinger during the entire process of rewinding exposed films back into the cartridge.

Test showed that the six-element 35mm f/2.4 Kominar lens performed very well at maximum aperture, with a very slight fall-off at the edges of the frame. At f/5.6 results were excellent, and at f/16, the smallest diaphragm opening, sharpness was still very good.—E.M.

## LENSES INTERCHANGE ON NEW AIRES 35-V

**Specifications: 35mm rangefinder camera with bayonet mounting interchangeable lenses, built-in exposure meter. Lenses: 7-element 45mm f/1.5 S Coral with stops to f/16; 5-element 100mm f/3.5 Tele Coral and 4-element 35mm f/3.2 W Coral with stops to f/22. Shutter: Behind-lens, 1 to 1/400 sec. plus B; MX sync. Other features: Rotating, universal depth of field ring; single view-rangefinder window with illuminated frames for 45mm, 100mm fields; parallax correction marks; single stroke rapid advance lever; click-set shutter speed and diaphragm scales; provision for intentional double exposure. Price: $159.50 with 45mm f/1.5 S Coral. Importer: Kalimar Inc., 1909 S. Kingshighway Blvd., St. Louis 10, Mo.**

For the photographer who enjoys the versatility of interchangeable lenses—and can do without the all but ubiquitous LVS—here is a camera worth a long second look.

The outstanding feature of the new Aires 35-V is its integrated system of interchangeable lenses. Three new lenses, designed specifically for the Aires, are bayonet mounting and interchange with swiftness and ease. Of particular interest is the rotating, universal depth of field ring on the lens mount. By depressing a small button on the ring, the photographer can align the proper scale for standard, wide-angle or telephoto lens.

We found the built-in exposure meter delightfully easy to operate. Once the exposure index is set in a tiny window on top, all that's necessary is to line up a pointer on the knurled wheel with the meter needle and read the range of aperture-shutter speed combinations off a scale on the opposite side. It operated beautifully in bright light, but fell down on the job indoors. We were unable to test the booster, which would have helped considerably.

The 35-V incorporates most of the features we liked on the Aires 35-IIIC introduced earlier this year—single stroke rapid advance lever which also cocks the shutter and counts exposures, automatic frame counter which returns to zero when the back is opened for loading, recessed rewind handle, bright coincidence type rangefinder, extra bright viewfinder with illuminated frame set well in from the edges—a comfort to spectacles wearers in particular. A smaller frame delineates the 100mm field, while the entire viewfinder indicates the field for 35mm. Spectacles wearers out of luck here.

This new Aires is necessarily somewhat more bulky than its predecessors, due to addition of interchangeable lenses and built-in exposure meter, but is still compact and lightweight enough to be hoisted with ease, even by a 98-lb. weakling (us).

Field tests provided excellent results with all three lenses. The 45mm S Coral showed some softness at the edges of the negative at f/1.5, provided corner-to-corner sharpness at f/4. Sharpness was likewise achieved at f/4 with the 100mm Tele Coral and at f/5.6 with the 35mm W Coral.

Yes, we liked it.—M. T.

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# MODERN TESTS

*(Continued from page 137)*

## ARGUS C3 CONTROLS GO MATCH-MATIC

**Specifications: 35mm rangefinder camera, similar in all respects to earlier Argus C3 models, except that conventional f-numbers and shutter speeds have been eliminated. Price: $74.95 with case, flashgun and meter. Manufacturer: Argus Cameras, Div. Sylvania Electric Products, Inc., 405 4th St., Ann Arbor, Mich.**

You may not believe this but that old warhorse, the Argus C3, has suddenly become the most radically new camera on your photo dealer's shelves. And yet they've hardly changed a screw on that familiar box shaped 35.

It's all in the exposure controls. This camera has no f-numbers. It has no shutter speeds marked in fractional seconds. Yet it retains all the adjustments and exposure flexibility of conventionally marked earlier C3's.

The Match-Matic system, as it's called, is based on the use of numbers in the exposure value (EV) scale—in this case from 3½ to 16. Using either the special Argus LC3 meter, or any EV calibrated meter, you take a light reading which is represented by a single number. On most EV calibrated cameras that single number (let's say it was 14) is set on a single control. On the Match-Matic C3 the EV numbers have been split into two scales. One on the shutter speed control wheel is numbered 4, 5, 6, 7, 8. Numbers 4 and 5 are the slow speeds; 6 is for average snapshots; 7, 8 are fast speeds, for moving subjects.

The other set of numbers—3½, 4, 5, 6, 7, 8—is on the lens diaphragm control. Number 3½ is the widest lens opening; 8 is the smallest.

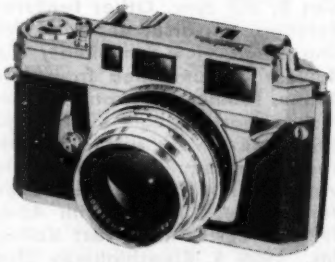
So, to set the Match-Matic C3 to EV 14 you first set the shutter wheel to an appropriate number—8 for fast action. Then you set the lens control to the number which when added to 8 adds up to 14—that means the lens opening is 6. And that's all there is to it. Any combination adding up to the EV number will give the correct exposure. However, as a guide, shutter speeds 5 and 6 are labeled "scenes" and 7 and 8 are marked "action."

Frankly, I don't see how anyone who can read an exposure guide or use a meter can miss with this camera. I think it might be confusing to anyone who knew a little bit about f-numbers and shutter speeds. But it should be good for folks who know not of "f" and couldn't care less.

What about flash? Well, you must set the shutter control to 5 (you'd have to use a slow shutter speed with any C3). Then there's another little set of "Flash Finder" numbers, 1 to 7, on the little focusing wheel. You focus sharply, then look at the focus wheel and read the Flash Finder number opposite the marker. Perhaps it's 7. Set the lens to 7 and fire. That's it. That is, if you're using Kodachrome, Daylight Type, and Sylvania Press 25B (blue) bulbs. For other combinations (given on a flashgun decal) you have to add a number to the Flash Finder number.

Actually, the principle on which the Match-Matic system works is an old idea. Parts of it have been used in other cameras previously. But by putting it in one package and throwing out all the conventional number scales, Argus engineers have made this old-timer into something radically new. Will the public go for it?—J. W.

## KONICA IIIA HAS A NOVEL VIEWFINDER



**Specifications: 35mm Konica IIIA rangefinder camera. Lens: 6-element, 50mm f/1.8 Hexanon with stops to f/22; focuses to 3.5 ft. Shutter: Seikosha MXL, 1 to 1/500 sec., plus B; M, F and X sync; separate built-in self timer; LVS controls with cross-coupling. Special features: Single window luminous frame range/viewfinder, parallax corrected, with automatic field of view adjustment. Price: $129.95. Importer: Konica Camera Co., 74 West Chelten Ave., Philadelphia 44, Pa.**

The IIIA differs mechanically from the earlier Konica III mainly by having an f/1.8 lens, instead of an f/2, and improvements in the LVS controls. However, the important design feature of this camera is the unique viewfinder system.

Few camera users are aware that their cameras cover a different sized field of view when focused at infinity than when focused at a close range, say 3½ ft. This occurs because the lens moves forward as it is focused for a closer range. Since there is an increase in the distance between the optical center of the lens and the film plane, the field of view of the lens narrows. This occurs with virtually all cameras, the exceptions being those which focus the lens by moving only the front element.

On the Konica IIIA the viewfinder is so designed that as the lens moves out for close focus the luminous frame also appears to move away from your eye and to shrink somewhat. As a result you get automatic warning that the field of view is shrinking. Since the viewfinder also has automatic parallax correction you would have to be incredibly clumsy to inadvertently lop off someone's head through incorrect viewing. But I suppose it can be done.

My impression was that the viewfinder was designed with non-eyeglass wearers in mind, as I had some small difficulty in seeing all of the frame at once while wearing glasses. However, by looking very carefully in the center I could see the edges. Except for that, the view/rangefinder was easy to use. For anyone who cares to compose carefully this should be a boon.

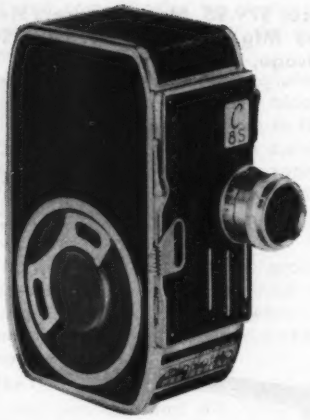
I found the IIIA to be a very capable picture taker. Careful checks showed the lens focus/film plane/rangefinder relationship to be exactly on the nose, and you can find that out of whack in more expensive makes.

The f/1.8 Hexanon was acceptably sharp wide open and when closed down a bit produced pictures of top-notch sharpness.

All in all, the Konica IIIA gives an impression of solidity, smooth operation and competence.—J. W.

## FOR THE MOVIE MAKER: SIMPLIFIED BOLEX 8

**Specifications: Bolex C8S Scene Stealer. Speeds: 18 fps and single frame. Finder: Optical for 12½mm lens. Lens: Lytar 12½mm f/2.5 in D mount. Footage counter: Self-**



**setting, geared. Film run on one winding: 6 ft. Price: $69.50. Importer: Paillard Inc., 100 Sixth Ave., New York 13, N. Y.**

The Bolex C8S Scene Stealer is a stripped-down version of the Bolex double 8 movie cameras, designed for the casual shooter who wants a camera in the Bolex class—but doesn't need multiple speeds, zoom finder, variable shutter, or a turret. It operates at 18 fps (and single frame, of course). The 18 fps speed is rapidly becoming the European standard. The increase of two frames over the 16 fps silent speed of U. S. cameras provides a steadier image with decidedly less flicker, and is also better suited to the synchronized, projector-tape recorder systems currently popular overseas.

Inside, the camera has the same motor, shutter and mechanics that go into the other Bolex 8mm cameras. The Scene Stealer has a standard D-mount and accepts any of the Bolex lenses. The finder takes accessory masks or prisms for use with wide-angle and tele lenses. The finder image is large enough for comfortable viewing, even with spectacles.

The Scene Stealer handles just as neatly as other 8mm Bolex models.

—M.A.M.

## THE DURST 606 COPIER-ENLARGER

**Specifications: Durst Model 606 enlarger. Negative size: 8mm to 2¼ x 2¼. Focusing: Helical. Light Source: 150-watt Opal or projection lamp. Construction: Die-cast metal. Negative carrier: glass. Other features: Reflex focusing and viewing for copying; 35mm negative roll cups; lamp height adjustment; built-in red safelight filter; distortion correction. Price: $99.50, less lens. Importer: Durst (USA) Inc., 770 11th Ave., New York, N. Y.**

The Durst 606 is a compact, streamlined Italian enlarger with several new approaches to combining an enlarger with a copying machine.

First, instead of the conventional negative carrier that handles only one negative size, the Durst combination glass negative carrier and condenser may be continually adjusted for any format from 8mm to 2¼ x 2¼. Two knurled knobs on the carrier control masks may be set for an almost unlimited number of shapes and sizes up to 2¼ square. (For a discussion of glassless vs. glass carriers for 2¼ x 2¼ see page 81, Nov. '58 MODERN.)

We quickly discovered an additional advantage to the carrier in making odd-shaped prints—slim verticals and long, thin horizontals, for instance. Ordinarily, you may push the

enlarger lamp housing to the top of the column, spilling unwanted picture area off the easel.

In color printing this can result in fogging. With the Durst, you mask the exact picture area so that there is no spill-off on the sides of the easel to cause reflections. Important too, masking lets you see the exact composition without extraneous, unused side images to confuse you.

As we mentioned, the carrier is combined with one of the two condensers by means of two pivot arms. Both condenser and carrier fit into a rather large negative carrier slot on the enlarger. After the carrier is placed in the enlarger a lever raises the condenser just enough to allow the negative to be slipped easily in place. Lowering the lever places the condenser mount on the edges of the negative, pressing it flat in the carrier.

Mirror reflex viewing, utilizing the same mirror and condenser used for enlarging, makes copying parallax free and assures accurate focusing. Unlock a red locking bar, lift out the mirror-condenser housing, turn it around and drop it back in place and the condenser becomes a viewing screen for the reflex system. The mirror reflects the image from the lens to the condenser, giving an exact picture of the copy. A ground glass screen in a special accessory carrier replaces the regular negative carrier and shows the area covered by the lens. A plate holder slips under the ground glass when you're ready to shoot. Exposure is controlled by the duration of the copying lights.

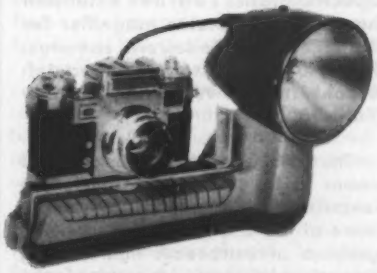
The short column of the enlarger, only 28½ in. high, is a blessing for anyone working in a darkroom with a low ceiling. Even with its short height, you can make 16 x 16 prints from 2¼ negatives with the enlarger in normal position. Or, you can tilt the lamp housing 90° and project on a wall for mural size prints. The tilting feature can of course also be used to correct perspective.

You've got to be careful not to touch the removable lamp housing during prolonged exposures. While the rest of the enlarger tends to be rather cool, the lamp house does heat up considerably—enough to burn your fingers, we found.

The friction drive raising and lowering the enlarger operates with a knurled wheel and works rather slowly—but smoothly. Illumination is even over the entire area of the baseboard. But if illumination should become uneven for any reason, adjusting the lamp height helps correct the situation.

A full line of accessories, including copying equipment, extension tubes for 50mm enlarging lenses and glassless negative carriers will be available.—M. A. M.

## VANGUARD 401: NEW ELECTRONIC FLASH



**Specifications: One-piece electronic flash unit with built-in charger. Size: 10¾ x 7¼ x 5 in. Weight: 36 oz. Operation: Nickel cadmium battery; dual transistors; 200 to 300 flashes per full charge.**

*(Continued on page 140)*

# MODERN TESTS

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**Recycling time: Eight to 12 seconds on battery, two to four seconds on AC. Flash duration: 1/2000 sec. between half peak light output. Other Features: Built-in charger, hermetically sealed permanent battery; flash head detachable for two-piece use with conversion kit; removable universal bracket for on camera flash; open flash (or test flash) button on lamp head. Manufacturer: Romel Electric Products Co., Inc., New York 11, N. Y. Price: $79.50.**

Perhaps the most interesting feature of the Vanguard unit is its optional one or two-piece operation. Actually, for either bounce or direct off-camera flash a 36 oz. unit can get a bit heavy. But with the aid of an accessory kit (available shortly) you can detach the lamp head from the power pack and hold it aloft, while carrying the power pack containing the bulk of the unit over your shoulder in the usual manner.

The unit we tested performed well. Reflector coverage was sufficient for use with a 50mm lens with no apparent fall off at the corners of the transparency. MODERN found that the best guide number for outdoor Kodachrome, with direct flash, was 20.

A built-in exposure dial on the back of the flash head for films rated from E.I. 10 to 400 proved particularly helpful in determining f-stops. On the whole, the Vanguard Model 401 compares favorably with other units in its own price range.—P. C.

## NEW BINOCULAR HOOD MAKES FOCUSING EASY

**Specifications: Leather extension hood with binocular magnifier for Rolleiflex and Rolleicord cameras. Price: $19.95. Importer: Burleigh Brooks, Inc., 10 West 46th St., New York 36, N. Y.**

The Rollei Binocular Extension Hood seems to be the perfect solution to long-standing complaints by careful users of the 2¼ reflex cameras. The problem of extraneous light leaking through to interfere with precise focusing was first solved by the paper cardboard, and leatherette extension hoods. Although these accessories cut the extraneous light, many also wavered in the light breeze and didn't stand up under hard use.

This binocular hood is rigid, fits solidly to the Rollei strap lugs, is fairly indestructible, and features binocular viewing. If you've ever looked at a close-up through a single lens magnifier and then tried the same thing with a pair of binocular magnifiers, you know what the new viewing system means in terms of ease of seeing. I found it quite simple to fuse the double eyepiece into one image and I was delighted with the fact that I could see clearly from edge to edge on the

ground glass. The image appears sharper to me through the binocular arrangement than through the regular magnifier. In addition, the built-in camera magnifiers have a tendency to concentrate your vision only on the central portion of the ground glass, although they do cover the entire area. The new hood shows the entire area of the ground glass. The image is magnified to approximately 2½ times straight ground glass viewing, an area slightly less than that covered by the camera's own magnifier. Conclusions: the image looks brighter and is easier to focus than ever before. You can concentrate totally on the entire picture area. I tried it with still lifes and models in the studio and with general shooting outdoor scenes. It works fine!—LEONARD BALISH

## SMALL, CAPABLE HERSHEY SUN-LITE

**Specifications: Transistorized electronic flash. Operation: Nickel cadmium batteries, AC. Recycling time: 8-10 sec. Flash Duration: 1/1800 sec. Other Features: 117-volt, 30-watt; full charge provides 200-300 flashes; 12-hour recharging time; removable flash head. Price: $79.95. Manufacturer: Hershey Mfg. Co., 4309 W. Lake St., Chicago, Ill.**

As far as we're concerned, it's an unusual electronic flash unit that combines the virtues of small size (gadget bag dimension), super-solid construction, relatively light weight (about 2 lbs.) and practically an indefinite number of flashes. But so it seems to be with the new self-contained Hershey Sun-Lite, Model 1000. It can be used hand-held for bounce flash, or in the conventional way, connected to the camera by means of a bracket.

When the charge is low, connect the unit to a cord and household outlet overnight. Next day you'll have a fully-charged electronic flash. For as few as 20 flashes, charge it one hour.

In actual use, the Sun-Lite handled and performed well, and the guide number for the unit tested was found to be approximately 20 for Kodachrome.—E. M.

## WHAT'S THIS? 8MM BLACK-AND-WHITE

**Specifications: Perutz Perkine 8 and 16mm movie film. Availability: Rolls only. Types: U15 (25 Daylight, 16 Tungsten), U21 (100 Daylight, 80 Tungsten) and U27 (400 Daylight, 320 Tungsten). Price: 25 ft. double-8, $2.85, including processing. Importer: Burleigh Brooks, Inc., N. Y.**

Something like 98 percent of all home movies are shot in color—and even finding a store that regularly stocks 8mm black-and-white film can be a chore. But it wasn't always that way. Just a few years ago you could walk into any photo shop and find black-and-white right on the shelves. Today there are only a few emulsions readily available in 8mm—most of them resprocketed 16mm stock.

While color is excellent for average outdoor conditions—and indoors with flood lamps—there are times when its slow speed means no footage. Besides, there are still amateurs who

feel that some movies are better in black-and-white—that color detracts from a specific mood.

Now Perutz, German film manufacturer, is introducing three 8mm black-and-white movie film emulsions to the U. S. Perutz Perkine U27, with a daylight speed of 400 and tungsten rating of 320, is going to be mighty useful for the 8mm amateur who wants to shoot indoors by available light.

The film is definitely on the grainy side—but you may be inclined to overlook technical details when it means the difference between getting footage and losing it.

The U21 emulsion is somewhat slower, 100 Daylight and 80 Tungsten, but has a finer grain pattern. It's still fast enough to handle many available light problems with movie cameras equipped with f/2.5 or faster lenses.

If you are looking for a fine-grain, relatively slow black-and-white film for daylight use or indoors with floods, try Perutz U15. It has a speed of 25 Daylight and 16 Tungsten. All three films are also made in 16mm, priced at $3.30 for 50-ft. rolls and $5.75 for 100-ft. rolls, processing not included. Neither the 8 nor the 16mm film is available in magazines.—M.A.M.

## STOPOMATIC, DEPTH OF FIELD, AND SCHNEIDER

**Specifications: Schneider-Kreuznach 135mm f/3.5 Tele-Xenar; 35mm f/2.8 Curtagon; both in Stopomatic mounts with automatic depth of field indicators for Exakta cameras. Price: $159.50 for the Tele-Xenar, $149.50 for the Curtagon. Importer: Burleigh Brooks Inc., 10 W. 46 St., New York 36, N. Y.**

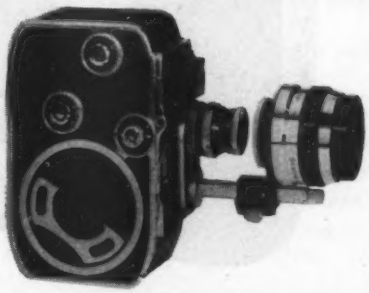
The automatic broad-band depth of field indicator, a standard item on the Rolleiflex and Rolleicord cameras, now makes its appearance on the automatic diaphragm lenses that Schneider makes for the Exakta.

Here's how it works. When shooting with most lenses, checking the depth of field at any given aperture is often a complicated affair requiring patience and a good set of eyes. You must find the two identical aperture markings to which your lens is set and then check the footage scale between them.

The Schneider lenses have a white band underneath a transparent footage scale on the lens mount. As you change aperture, the white band automatically expands and contracts to show the exact footage in sharp focus. Obviously, it's a big improvement—especially if you do much work where depth of field is important.

As for the lenses, they are up to the usual standard for Schneider although special plaudits should go to the Curtagon which is extremely sharp from corner to corner at full aperture. The Curtagon, incidentally, has a built-in lens hood and focuses down to 14 inches. The Tele-Xenar is supplied with a screw-on reversible lens hood. Its closest focusing distance is five feet. Both lenses can be stopped down to f/22. The automatic diaphragm which shuts the lens down as you press the button release, and then reopens again, works very smoothly.—H.K.

## BOLEX WIDE SCREEN —WITH A DIFFERENCE



**Specifications: Bolex Anamorphot, an anamorphic wide-screen system. Ratio: 1 to 2. Mount: Special bracket for Bolex 8 and 16mm cameras. Projection: Same lens as used for shooting. Price: Kit for H-16 Models, $189; for Bolex H8, $109; for Bolex B8 and B8VS, $94. Mounting bracket for M8 projector, $12.50. Importer: Paillard, Inc., 100 Sixth Ave., New York 13, N. Y.**

Neat and lightweight for such a unit, the 8mm model of the Bolex Anamorphot weighs only 6 oz., including the mounting bracket, while the 16mm lens weighs 18 oz. Focusing, we found, isn't too critical with the Anamorphot. While both the prime lens and the anamorphic lens should be focused with some degree of care, variation from the actual subject-to-camera distance of a few feet or more didn't noticeably affect sharpness.

But the major difference between the Bolex system and some others is the screen ratio. The Bolex has a format of 1 to 2, while other systems have used ratios as high as 1 to 2.66. The smaller format of the Bolex eliminates that stretched-out look, at the same time serving the wide-screen effect. More important, the Anamorphot lets you shoot good, strong close-ups of people without distracting background at the sides of the image. Room size is no longer so important, since you don't need such a long projection throw for full effect. We found that the average living room, between 16 and 18 ft. long, was adequate. The smaller format also makes it possible to get almost as much screen brightness as with normal projection. The Anamorphot is used for both projection and shooting. Projection brackets are available for the Bolex 8mm projectors and most 16mm machines.—M.A.M.

## THE VOTAR—AN ECONOMY ZOOM LENS

**Specifications: The Votar 8mm zoom lens. Elements: 5. Focal Lengths: Continuously variable from ½ in. normal to 1½ in. tele. Viewfinder: Coupled zoom finder that shows exact field of lens as you zoom. Mount: C mount. Diaphragm openings: f/2.8 to f/16. Focusing: Manually from 5 ft. to infinity. Price: $99.50 including Skylight filter. Importer: Voss Photo Corp., 601 W. 156 St., New York, N. Y.**

Frankly, when we first got our hands on the Votar 8mm zoom lens we were a bit dubious. Zoom lenses are usually expensive compared to other lenses and we had doubts about how one for under $100 would perform. Let's start right out by saying that the Japanese-made Votar is a lot of lens for the money. Our shooting tests proved that quickly. We mounted the lens on a camera that had been checked out for fps accuracy to assure correct exposure and filmed a variety of subjects—from waves breaking on the beach to children and animals at play. The lens proved somewhat soft at the edges at f/2.8, but the image at the center of the frame was adequate. The softness disappeared almost completely at f/5.6. More important, the lens was apparently sharp from corner to corner at openings from f/5.6 to f/11—setting most used.

The Votar is rigidly constructed. Set screws on the rear mount make it easy to align camera and lens. The zoom lever is somewhat unorthodox, being positioned above the lens rather than under it. We had no difficulty.

The matching zoom viewfinder shows a bright image that is easily viewed even with eyeglasses. The long finder extension tube allows you to assume the normal shooting position behind the camera, instead of crabbing your head on the left side of the camera body. What's more, the tube may be removed for loading the camera.—M.A.M.

*(Continued on page 146)*

# NEW FROM KODAK: the expert's camera

**To design a camera for the American spirit . . .**

**Fit it to American love of action . . .**

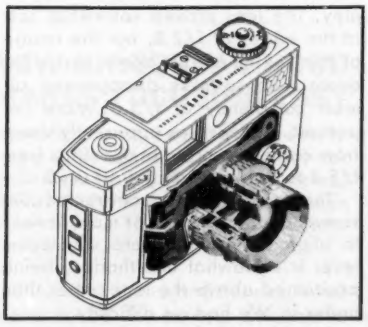
**Give it power to cope with any situation . . .**

**Give it precision . . . and every feature that spells smooth convenience . . .**

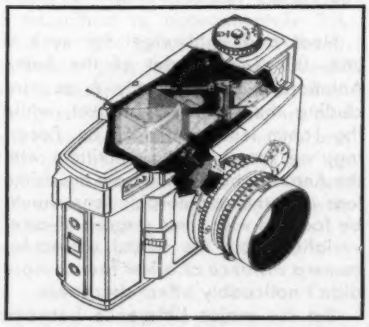
**Style it boldly . . . to wear proudly anywhere in the world . . .**

**This is the Signet 80**

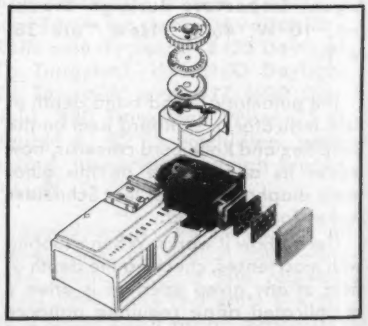
# New Kodak



**PRECISION** begins with the fast 50mm *f*/2.8 Ektanar Lens, made with Kodak rare-element glass . . . high refractive index permits gentler lens curves, finer correction with fewer elements. *Lumenized* to reduce flare, lens has both EV and *f*/ scales. New-type precision lens mount permits faster lens interchange than either screw-in or bayonet types, has safety-lock slide and scissor lock.



**BOLD** new design unifies viewfinder, rangefinder, and exposure meter in a single dramatic "control tower." Through the modern wide window you see your subject *natural size*, with parallax correction clearly indicated, the field precisely marked by projected luminous lines. The precision rangefinder automatically couples with all three lenses, focuses infinity to 2½ feet.



**EXPOSURE CONTROL** is easy, positive, and dependable with the precision exposure meter built into your "80." Its simplified dial reads directly in EV (exposure value) numbers—measures both reflected and incident light, for films from 10 to 6400 ASA. Lens is scaled to correlate your selected shutter speed with the EV meter-reading, for quick, sure control in fast-moving situations.

# that does everything . . . so easily!

Here is a new American camera classic—companion to Kodak's world-famous Continental classics, the Kodak Retina Reflex and Retina IIIC Cameras. It has every feature you expect in a great 35mm precision camera:

★ *Fast* 50mm *f*/2.8 Kodak Ektanar Lens . . . with Kodak rare-element glass for superior correction and detail . . . *Lumenized* (hard coated) for maximum light transmission and color purity . . . with EV (exposure-value) scale, *f*/ value and field-depth scales . . . deeply recessed front element to reduce need for lens hood . . . built-in retaining ring to hold lens attachments . . .

★ *Instant* lens interchange, with safety-lock slide and precision scissor-lock . . . quicker than either bayonet or screw-in interchange . . .

★ *Telephoto and wide-angle* lenses available . . . also incorporating rare-element glass . . . same superb quality as the *f*/2.8 lens that comes with the camera . . .

★ *Precise* exposure control . . . with extra-sensitive, sturdy, built-in photoelectric exposure meter . . . measuring both *incident* and *reflected* light in EV numbers on simplified dial . . . with settings for films 10 to 6400 ASA . . .

★ *Precise*, easy viewfinding . . . a unique new "unit power" finder that shows the subject as your eyes see it . . . *natural size* . . . with projected bright-line corner frames defining exact field . . .

★ *Precise* focusing . . . precision coupled rangefinder combined with viewfinder . . . for distances from infinity down to 2½ feet with all lenses—normal, telephoto, and wide-angle . . .

★ *Positive*, instant coupling of all lenses to rangefinder . . .

★ *Bright* cool-tone rangefinder spot in warm-tone image field . . . blue and orange images in rangefinder spot turn to natural color when images are exactly superimposed . . .

★ *Precision* shutter with speeds from ¼ to 1/250 second . . . and "B" for long exposures . . .

★ *Direct flasholder* attachment for best electrical contact . . .

★ *Synchronization* for all types of flash.

★ *Eight EVS cards* to provide flash-exposure guide and indicate film load . . .

★ *Rapid action* thumb-flick film advance.

★ *Ultra-easy* "injection" film loading . . . film simply drops in, no threading.

★ *New* expanding-chamber film takeup . . . with smooth, pressureless "kiss-contact" channeling plate and guides . . . no film drag or scratch . . .

★ *Automatic* film-leader wind-off . . . and exposure counter that moves to "1" at end of wind-off . . .

★ *Automatic* shutter setting as film advances . . .

★ *Automatic* double-exposure prevention.

★ *Fast* film rewind with folding crank . . .

★ *Automatic* counter return to "E" ("Empty") . . .

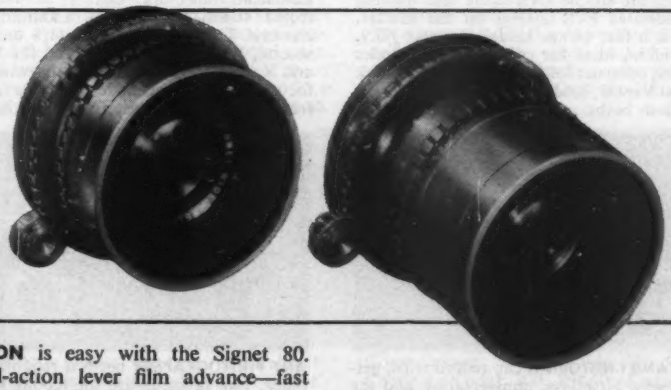
★ *Handsome* styling in black and satin metal . . . with bright diamond-turned lens mounts . . .

★ *Plus* specialized aids . . . for ultra-closeups . . . photomicrography . . . sports . . . pictorial work . . . to give you "room to grow"

*The Signet "80" is a camera not merely for today. It is designed for long and satisfying companionship . . . a rewarding investment for years to come. Price, $129.50.*

# Signet 80 Camera

## and interchangeable wide-angle and telephoto lenses



**ADAPTABLE** as only a precision 35 can be, the Kodak Signet 80 gives you *instant* interchange of lenses. Pinch the safety latch, the scissor-lock opens, and your lens lifts out. Quickest lens release ever! In one smooth motion you can seat the 35mm wide-angle, for wider scope in cramped quarters—or the 90mm telephoto, to pull in distant views. Rangefinder couples automatically to all lenses! Telephoto 90mm, *f*/4, $69.50. Wide-angle 35mm, *f*/3.5, $57.50.

**ACTION** is easy with the Signet 80. Rapid-action lever film advance—fast "injection" film loading—automatic film-leader wind-off — automatic exposure-counter setting—plus automatic shutter advance and frame counting—make the "80" perfect for the photographer who likes to work fast.

**PRECISION AIDS** include: Multiframe Finder (top left) for all three lenses—action sports finder—ultra close-up rangefinder and auxiliary lenses—microscope adapter—field case—flasholders.

**Examine the Kodak Signet 80 Camera and its aids at your Kodak dealer's today.**

*Prices are list and are subject to change without notice.*

Kodak

**EASTMAN KODAK COMPANY, Rochester 4, N. Y.**

**THE EXACTING** amateur avoids compromises. In a single-lens reflex, for example, he wants more than a big finder. He wants *true* pentaprism viewing, and gets it with the Kodak Retina Reflex Camera. *Full-area* focusing—corner to corner—always at wide-open brilliance. Plus: fast 6-element 50mm *f*/2 lens, interchangeable with wide-angle and telephoto components, coupled rangefinder, fully automatic diaphragm, EVS lens/shutter linkage, built-in meter, flash synchronization, other outstanding features. The Retina Reflex (price, $215) is truly a professional camera—the European counterpart to the classic American Kodak Signet 80 Camera.

# KODAK GIFTS SAY "Open

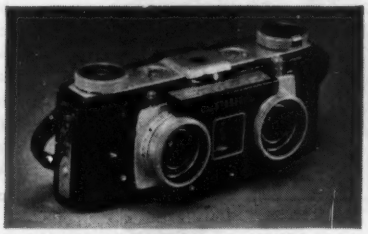
## ...and keep your

**KIDS** love to take pictures. And they'll get good ones with the Brownie Starflash Camera. No focusing. No lens settings to make. The only adjustment is a small lever you move one way for "color," the other for black-and-white. Camera takes 127 Kodak Ektachrome or Kodacolor Film for color slides or prints, Kodak Verichrome Pan Film for sparkling black-and-whites. Comes beautifully gift-packaged with film, flash bulbs, and batteries for just.....**$9.95.**

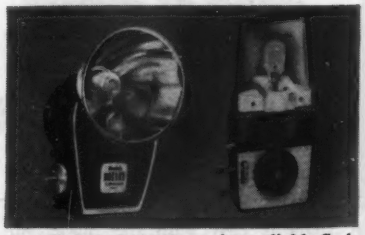
**TEENAGERS** get a real start in photography with the comprehensive Kodak Pony II Outfit. The Pony II is a precision 35, built for simplicity. Exposures are quickly set by reading the simple EVS cards and making the indicated EVS settings on the shutter. Lens is a fast 44mm Kodak Anastar *f*/3.9, *Lumenized*, ideal for color. Outfit includes camera, compact folding Flasholder, Kodak Pocket Viewer, Kodachrome Film, batteries, and flash bulbs.....**$39.95.**

**COLLEGIATE** right down to its smart, grained-leather covering, the Kodak Signet 40 Camera comes capable and complete with Kodalite Super-M 40 Flasholder, 3- and 4-inch Lumaclad reflectors. Lens is a well-corrected 46mm *f*/3.5 Kodak Ektanon, *Lumenized*. The 8-speed shutter (1/5 to 1/400 second, B) is flash synchronized for F, M, and X sources. Quick, accurate viewing and focusing—with rangefinder accurate from 2 feet to infinity. A wonderful gift at..**$62.50.**

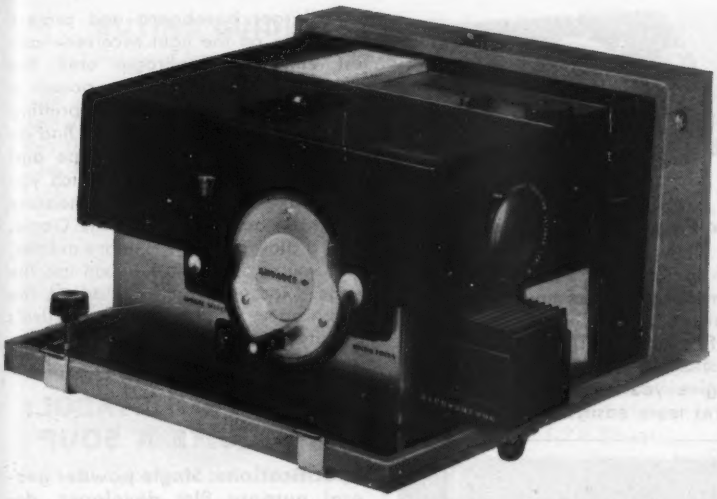
**ADVANCED** amateurs want a camera to grow with. And the Kodak Retina IIIC Camera is the nucleus of a whole *system* of photography, including interchangeable lens components, close-up attachments, copy stand, microscope adapter, sports finder, many other precision aids. Camera itself has a fast 50mm *f*/2 normal lens and 10-speed EVS shutter. Telephoto 80mm and wide-angle 35mm lens components available. Other features: built-in exposure meter, multiframe finder, combined with accurate rangefinder, thumb-lever advance..**$175.00.**



**THE FAMILY HISTORIAN** can record trips, get-togethers, birthdays, anniversaries, and the delights of everyday living in *3D and color* with the Kodak Stereo Camera. Its twin *f*/3.5 Kodak Anaston Lenses create images so real you almost expect the people in them to talk. The shutter is flash synchronized for Class F and M lamps. Easy-to-use optical finder shows the exact field; has built-in spirit level. Loading is easy, rewind quick. Handsomely styled in two-tone brown, the Kodak Stereo Camera is conservatively priced at just.....**$89.50.**



**ANY PHOTOGRAPHER** needs a reliable flasholder. Two favorites are the Kodak Rotary Flasholder ($10.95) and the Kodak Generator Flasholder ($13.95). The Rotary fires six M-2 lamps, fast, like a Western six-gun, without reloading. The Generator Flasholder provides its own power—*never needs batteries!* A twist of the generator knob charges its capacitor, assures accurate synchronization of lamp and shutter. Carries easily, too, *folded* to fit in pocket, purse, or gadget bag. Examine these and others at your Kodak dealer's.



**A REALLY FABULOUS FAMILY GIFT** is the Kodak Cavalcade Projector that changes slides by itself. Almost as much fun as the slide show itself, the Cavalcade has fully automatic slide changing at 4, 8 or 16 second intervals; also remote-control button and manual slide-advance wheel. You can edit during the show, repeat or hold slides on the screen at will. Choose 300- or 500-watt lamp brilliance with the flip of a switch; focus, elevate, and level the Cavalcade quickly, easily. Trays hold 40 slides in metal protectors that prevent jamming, even allow you to show bent or damaged slides. The ultimate in projection convenience and pleasure, the Cavalcade is a bargain at $149.50.

# me first!"

## Christmas in pictures . . . for you and the whole family

**YOUNG AMATEURS** like the Kodak Signet 50 Camera because it is fast (*f*/2.8), self-sufficient (has built-in exposure meter), and comes complete with Kodalite Super-M 4 Flasholder with 3- and 4-inch reflectors. The 44mm *f*/2.8 Kodak Ektanar Lens has "Zone Focusing" and linear scales. Projected field frame finder, new loading case, EVS system with cross-linked shutter speed and aperture scales make the Signet 50 a delight to use. Complete.....**$82.50.**

**SNAPSHOOTERS,** young or old, male or female, love the Kodak Duaflex IV Flash Outfit. The Outfit is complete—comes with Kodalite Flasholder, film, bulbs, batteries. The camera is simple to operate, has big, brilliant, hooded reflex finder. Loading takes but a moment. Double-exposure prevention and film-advance signal guard against mistakes. The Duaflex is synchronized for all miniature flash lamps, takes 12 pictures on a roll of film. Just.....**$24.95.**

**WIVES** don't want too many gadgets on a camera, but they *do* want good pictures. The Kodak Pony IV Camera gives them a fine lens, simple EVS exposure determination with settings easily made using the easily understood EVS numbers. Attractively styled, compact, lightweight, with double-exposure prevention, automatic film stop and counter, easy loading, the Pony IV is sure to please. A thoughtful gift—an economical.....**$39.95.**

**THE WHOLE FAMILY** will enjoy slides shown with the Kodak 300 or Kodak 500 Projector. As the names suggest, one is a brilliant 300-watt projector, the other a 500-watter for extra screen brilliance. Both are compact, extremely lightweight, have new 4-inch projection lens for extra-big screen images. Come either with 36-slide Readymatic Changer (Kodak 300, $64.50; Kodak 500, $74.50) or Kodak Universal Changer (Kodak 300, $69.50; Kodak 500, $79.50). Automatic Magazine Changer (Kodak 300, $74.50; Kodak 500, $84.50). An exciting gift, easy to carry, a pleasure to operate.

### MOVIE GIFTS, TOO

Maybe this is the Christmas to start home movies. Your Kodak dealer has exciting new movie cameras by Kodak . . . new movie outfits . . . new movie aids . . . all wonderful gifts. See him soon.

Kodak

*Prices are list and are subject to change without notice.*

**EASTMAN KODAK COMPANY, Rochester 4, N. Y.**

## MODERN TESTS

*(Continued from page 141)*

## PHOTO-GENIE, AID FOR ENLARGING

**Specifications: Photoelectric instrument for determining enlarging print exposure. Unit contains a photoelectric cell, is operated by plugging into a 95 to 130-volt AC circuit; has on-off switch, signal lamp, memory pointer, control knob, and calibration scale. Dimensions: 3¼ x 6 x 1⅛ inches. Weight: Approximately seven oz. Price: $15.95. Manufacturer:**

**Ideax Corporation, 150 Fifth Ave., New York 11, N. Y.**

Some print makers may spend hours to make a "perfect" print. Others may take five minutes. The Photo-Genie is an instrument which, if used properly, can give you correct enlarging exposures more easily. Place the Genie on enlarger baseboard and project the image on the light receiver—adjust enlarger diaphragm until the signal light goes out and exposure is correct. Before you can begin printing with the Photo-Genie you must find an individual setting for each type and grade of enlarging paper which you use. Make a fine print and measure image on baseboard with the Genie. Turn a dial, push the memory pointer, and you're set. From here on use the same exposure time and adjust the diaphragm for the new negative's density and magnification.—E. M.

## FULLER'S INSTASOL: IT'S QUITE A SOUP

**Specifications: Single powder general purpose film developer, designed to dissolve rapidly in water at 68-70F. Available only by direct mail. Price: $2.00 for bottle of powder to make one gallon. Manufacturer: Fuller Research Labs., 236 Washington St., Woburn, Mass.**

**Couple of bottles of this dropped in over the transom recently (fortunately no one was hit). According to the blurb it would dissolve instantly (thus the name) in water at normal developing temperatures, develop anything (well, practically anything)** in 5-6 minutes, produce fine grain, low contrast, etc., etc. So I tried it.

Surprise! It works, and astonishingly, satisfyingly well. It doesn't dissolve *instantly;* but you can mix a gallon at 68F in two to three minutes.

Tested with a wide variety of 35mm and roll films Instasal produced high film speeds, with beautiful negatives of low to medium contrast, fine grain, and good sharpness. Use 2X exposure index with very slow films, 2-3X with medium slow, medium fast, and high speed films.

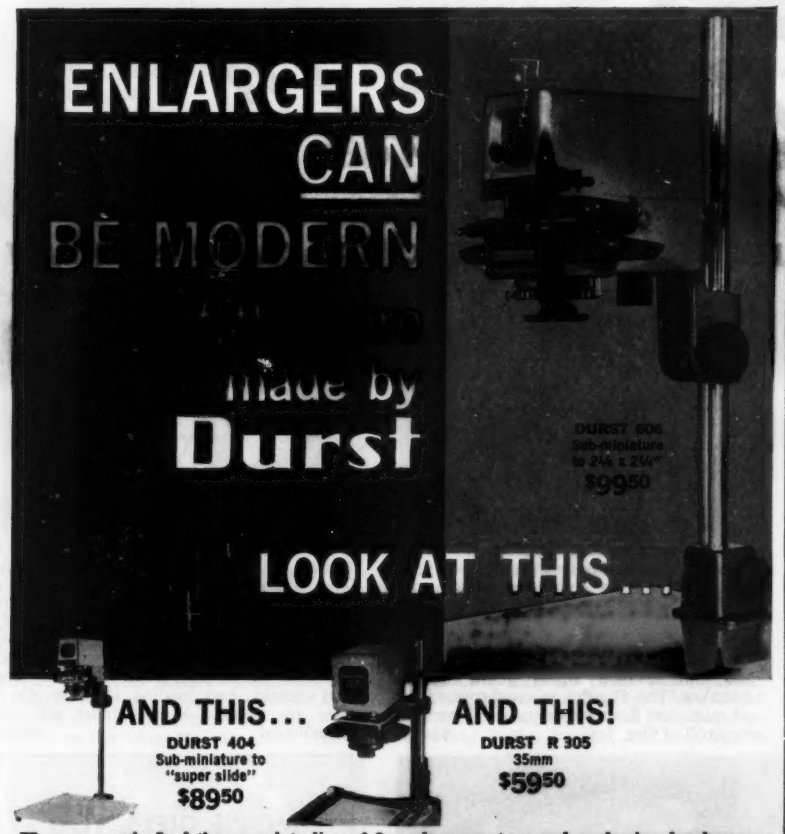
It develops all except high speed films in 5-6 minutes at 68-70F. For high speed films, such as Ansco Super Hypan, developing time is 11-12 minutes at 68-70F. Agitate initially for 20 secs., then 10 secs. per minute.

Incidentally, I was unable to get a suitable development of Kodak Royal-X Pan roll film with Instasol.

The developer is clean working and appears to be long lived.—J.W.

## ADD: 2¼ PROJECTORS

We inadvertently omitted the Fer-Color 6-6 from last month's list of "2¼ Slide Projectors." Self-contained in its own portable (11 lb.) case, the Fer-Color has a built-in screen, can also be used for standard screen projection. Price with 85mm f/2.8 lens is $151.50. Our apologies!


These are *only* 3 of the complete line of 8 modern amateur and professional enlargers made by DURST. All new in design . . . with "Features of the Future"... *available today!*

- *One* self-masking negative carrier takes all sizes from sub-miniature to 2½ x 3½". Eliminates costly "extra" carriers.
- *All* DURST enlargers can be used as copy cameras—special reflex viewing built into lamphouse. Prices start at $59.50.
- Modern *rigid* construction—does away with clumsy struts and braces.
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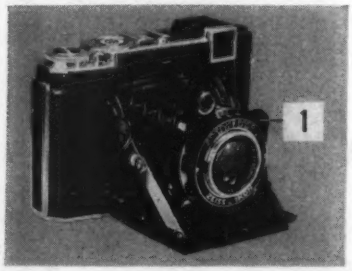
## BUYING GUIDE

*(Continued from page 107)*

body shutter release; double exposure prevention; exposure counter; accessory shoe.
**Last List Price:** With f/2.8 Tessar, $154; with f/3.5 Tessar, $140.



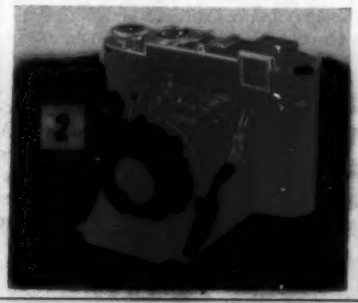

**Used Selling Price:** With f/3.5 Tessar, $41-$57.
**Special Identification Points:** 1. Lens and shutter housing finished in black enamel; 2. Separate eyepieces for view and rangefinder; 3. Only Super Ikonta B model without automatic film stop.

### SUPER IKONTA B (1937)

**Introduced:** 1937 **Discontinued:** 1951
**Film Size:** Same as 1935 model.
**Lens:** 80mm f/2.8 Tessar.
**Shutter:** Compur-Rapid, 1-1/400, B, ST.
**Flash Sync:** None. See note, beginning of Zeiss section.
**Special Features:** Combined eyepiece for view and rangefinder; automatic film stop. Other features same as 1935 model.
**Last List Price:** $154.
**Used Selling Price:** $57-$79.
**Special Identification Points:** 1. From 1937 to 1948 lens and shutter housing was finished in black enamel; after 1948, in chrome; 2. Combined eyepiece for view and rangefinder, and automatic film stop.

### SUPER IKONTA B (1951)

**Introduced:** 1951 **Discontinued:** 1956
**Film Size:** Same as 1935 model.
**Lens:** 80mm f/2.8 Tessar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.

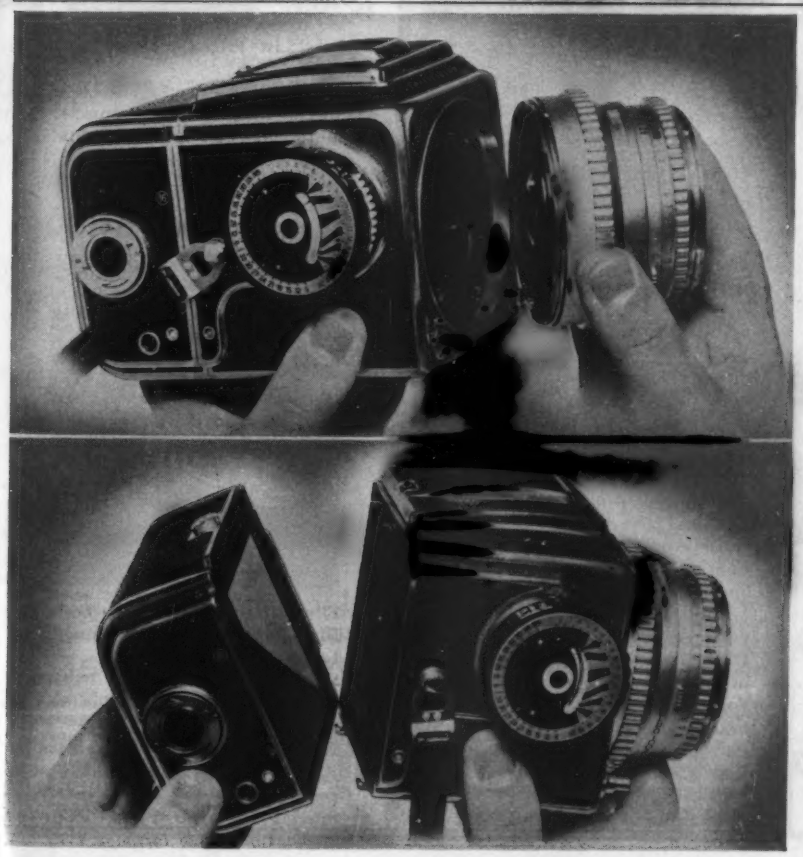



**Special Features:** Same as 1937 model.
**Last List Price:** $145.
**Used Selling Price:** $76-$89.
**Special Identification Points:** 1. Factory installed sync; 2. Shutter speeds to 1/500 sec.

### SUPER IKONTA III

**Film Size:** 12 pictures 2¼ x 2¼ on 120 film.
**Introduced:** 1954 (current model).
**Lens:** 75mm f/3.5 Tessar (no longer available) or Novar.
**Shutter:** Synchro-Compur, 1-1/500, B, ST.
**Flash Sync:** MX.
**Special Features:** Coupled rangefinder with combined view and rangefinder eyepiece; built-in depth of field scale; body shutter release; blank and

*(Continued on page 148)*

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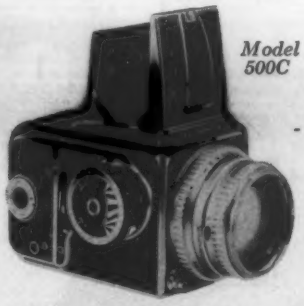


*Model 500C*

**HASSELBLAD**

PAILLARD Incorporated, 100 Sixth Avenue
New York 13, N. Y.

## BUYING GUIDE

*(Continued from page 147)*

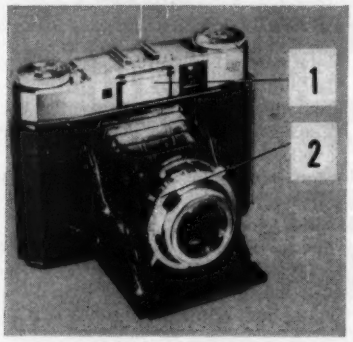
double exposure prevention; "red-dot" zone focusing; automatic exposure counter and film transport; film type indicator.

**Last List Price:** With Tessar, $120 (no longer available); with Novar, $89.

**Used Selling Price:** With f/3.5 Tessar, $57-$70.

**Special Identification Points:** 1. Rangefinder assembly is completely enclosed; 2. Film type indicator; 3. Model with Tessar lens discontinued in 1956.

### SUPER IKONTA IV




**Note:** This model is basically the same as Super Ikonta III, but has the following differences: built-in exposure meter; shutter incorporates Light Value Scale cross coupled to lens diaphragm. It comes only with 75mm f/3.5 Zeiss Tessar lens.

**Introduced:** 1956 (current model).

**Last List Price:** $135.

**Used Selling Price:** $76-$92.

**Special Identification Points:** 1. Built-in exposure meter; 2. Shutter has Light Value Scale.

### SUPER IKONTA BX (1937)

**Introduced:** 1937 **Discontinued:** 1952

**Film Size:** 12 pictures 2¼ x 2¼ on 120 film.

**Lens:** 80mm f/2.8 Tessar.

**Shutter:** Compur-Rapid, 1-1/400, B, ST.

**Flash Sync:** None. See note, beginning of Zeiss section.

**Special Features:** Built-in photoelectric exposure meter, calibrated in American Scheiner degrees (after 1948 came with ASA indexes); automatic film stop; signal device indicates when all 12 exposures have been completed. Other features same as Super Ikonta B, 1937 model.

**Last List Price:** $219.

**Used Selling Price:** $66-$90.

**Special Identification Points:** 1. Before 1948 came with exposure meter in American Scheiner degrees; after 1948 meter had ASA indexes. 2. Exposure meter housing is higher than on later version.

### SUPER IKONTA BX (1952)

**Introduced:** 1952 **Discontinued:** 1957

**Film Size:** Same as 1937 model.

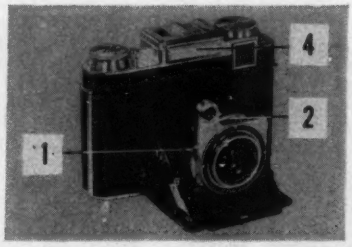
**Lens:** 80mm f/2.8 Tessar.

**Shutter:** Synchro-Compur, 1-1/500, B, ST.

**Flash Sync:** MX.

**Special Features:** Built-in photoelectric exposure meter calibrated in ASA indexes. Other features same as Super Ikonta BX, 1937 model. Note: Exposure meter on this version requires less manipulation than meter in older version.

**Last List Price:** $163.




**Used Selling Price:** $80-$112.

**Special Identification Points:** 1. Factory installed sync; 2. Shutter speeds to 1/500 sec.; 3. ASA indexes; 4. Exposure meter housing is considerably shorter in height than on older version.

### SUPER IKONTA C (1934)

**Film Size:** 8 pictures 2¼ x 3¼ or (with mask) 16 pictures 1¾ x 2¼ on 120 film.

**Introduced:** 1934 **Discontinued:** 1936

**Lens:** 105mm f/4.5 or f/3.8 Tessar.

**Shutter:** Compur (with f/4.5 Tessar), 1-1/250, B, T, or Compur-Rapid (with f/3.8 Tessar), 1-1/400, B, T, ST.

**Flash Sync:** None. See note, beginning of Zeiss section.

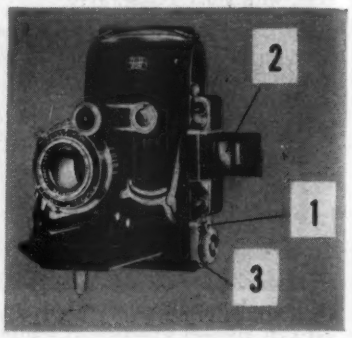
**Special Features:** Coupled rangefinder; self-erecting front; direct vision optical finder.

**Last List Price:** With f/4.5 Tessar, $86; with f/3.8 Tessar, $122.

**Used Selling Price:** With f/3.8 Tessar, $44-$59.

**Special Identification Points:** 1. No body shutter release as in 1936 model; 2. Finished in black enamel with nickel plated fittings; 3. No factory installed flash sync.

### SUPER IKONTA C (1936)




**Film Size:** Same as 1934 model.

**Introduced:** 1936 **Discontinued:** 1950

**Lens:** Until 1938, came with 105mm f/3.8 Tessar; after 1938, supplied with either f/4.5 or f/3.5 Tessar.

**Shutter:** Compur (with f/4.5 Tessar), 1-1/250, B, ST; Compur-Rapid (Tessar f/3.8 or f/3.5), 1-1/400, B, ST.

**Flash Sync:** None. See note, beginning of Zeiss section.

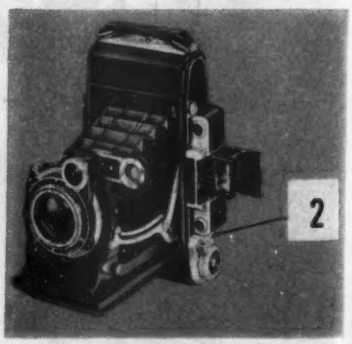
**Special Features:** Double exposure prevention; body shutter release; Albada sportsfinder. Other features same as earliest version.

**Last List Price:** With f/3.8 Tessar, $122.

**Used Selling Price:** $47-$65.

**Special Identification Points:** 1. Body shutter release; 2. Albada finder; 3. Made only with chrome finish; 4. No built-in flash sync.

### SUPER IKONTA C (1950)




**Film Size:** Same as 1934 model.

**Introduced:** 1950 **Discontinued:** 1955

**Lens:** 105mm f/3.5 Tessar.

**Shutter:** Compur-Rapid, 1-1/400, B, ST (latest version has Synchro-Compur).

**Flash Sync:** Version with Compur-Rapid, X only; with Synchro-Compur, MX.

**Special Features:** Blank exposure

*(Continued on page 154)*

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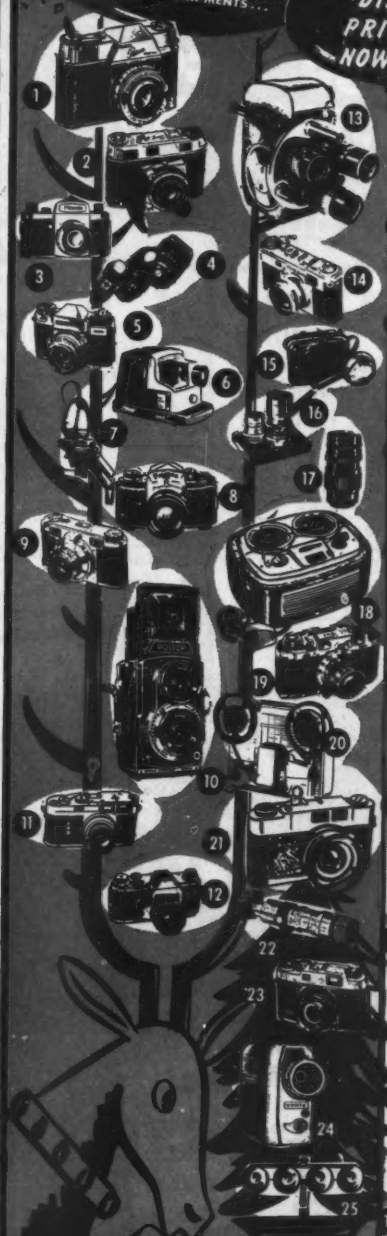

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From transparencies or from Kodacolor
15¢ each
10 for 1.49

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**camera with a "built-in memory!"**

**new... automatic**

# ASAHI-PENTAX K

**combines rapid wind design with penta-prism viewing, instant return mirror... and automatic lenses!**

Here's the famous single lens reflex camera that ended photographic black-out . . . now with a built-in memory system that makes exposure AUTOMATIC! You see—shoot—see again before completing the trigger motion! Now . . . the lens joins the shutter in this amazing action: when you wind for the next exposure, when you choose your shutter setting and select your lens aperture, trip the shutter, THE LENS STOP DOWN AUTOMATICALLY . . . the mirror flips . . . the shutter closes . . . the mirror returns . . . INSTANTLY! Improved shutter system . . . to 1/1000th. Most compact of all bodies! New 6-element f 1.8 lens! New improved Fresnel-lens brightened ground-glass with bulls-eye targeting! Takumar lenses from 35mm to 1000mm compatible with most single lens reflex cameras. ASAHI-PENTAX K with Takumar 6-element automatic f 1.8 lens completely ends the photographic black-out $249.50

**ASAHI OPTICAL CO., LTD., 521 FIFTH AVENUE, NEW YORK 17, N. Y.**

# THE NEWS: The big swing to automation in cameras and projectors... the advanced designs of Bell & Howell PHOTOMATION!

### *the* EXPLORER

**Newest, most automatic slide projector in the world.** A radically new design from the inside out. Unusually handsome... completely self-contained. Touch a button, 2 panels spring open... it's ready to use!

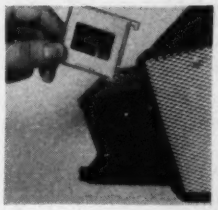
**New 4-way remote control**—the *only* one that (1) holds, (2) reverses and (3) goes forward again. There's even (4) an automatic Point-A-Ray light to pick out details on the screen from your easy chair.

**Positive "Pop" prevention**—exclusive Bell & Howell Micro-Mounts actually *lock* each slide in focus. Focus only once for the entire show.

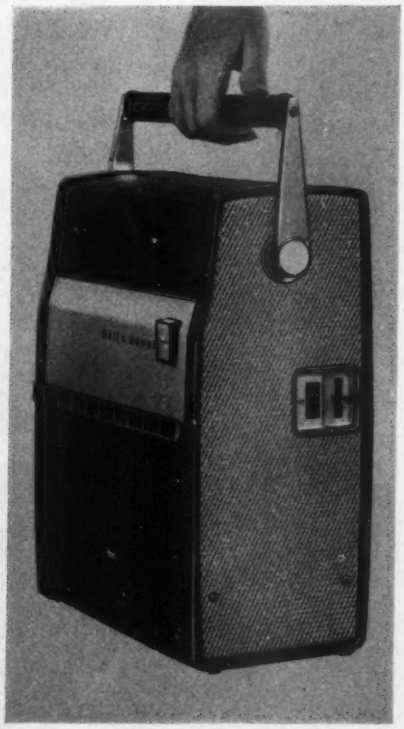
**No upside down slides**—the exclusive tapered mount enters the tray only right side up. It's foolproof!

**New zoom lens**—Bell & Howell's exclusive Filmovara lens zooms the picture larger or smaller to fit the screen.

**The automatic timer** shows a 40-slide tray at intervals of 5 to 60 seconds. Sit up front and enjoy the show!



See the new EXPLORER series at your dealer's! Four models, 300 and 500 watt, from **$79.95** to **$179.95**, as little as **$8** down.



MODEL 784

## *the* INFALLIBLE

**First fully automatic Electric Eye still camera.** This remarkable camera for 127 film never lets you spoil a shot! It adjusts its own lens . . . instantly, automatically . . . for just the right exposure. Super slides or prints, every picture you take is properly exposed. Nothing to set or adjust . . . the Electric Eye does all the work. It even warns you when there's not enough light—a red flag pops up when light is too dim and tells you not to shoot! Complete with flash and ever-ready leather carrying case, **$79.95,** or **$8** down.

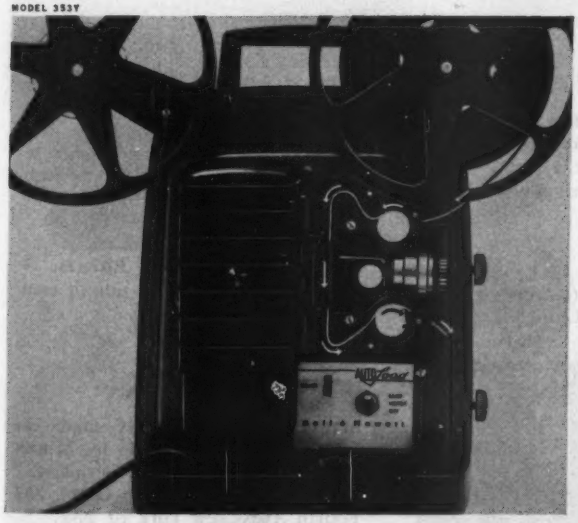
## *the* PERPETUA

**Electric Eye movie camera . . . adjusts itself even while you're shooting.** The most advanced of 8mm Electric Eye movie cameras . . . responds to light with *perpetual motion* . . . adjusting its lens even while you're shooting. Nothing to set. Even as you pan from sunlight to shade, the lens responds instantly for just the right exposure. Its exclusive *Solar Grid* screens out extraneous light. The Electric Eye reacts only to the light on your subject. The PERPETUA even warns you when light is too dim with a signal in the viewfinder!

Single lens models from **$99.95,** or **$10** down. Three lens turret models from **$129.95,** or **$13** down.

MODEL 393

MODEL 353T




## *the* AUTO-LOAD

**First and only 8mm movie projector that threads itself.** The perfect partner for the Electric Eye camera. All you do is place the film in the slot . . . it threads itself in 3 seconds! No fumbling or delays, even in the dark. And if old or damaged film causes "fluttering," just touch the automatic loop setter. The loop and picture come back perfectly.

**Optional zoom lens**—Bell & Howell's *Filmovara* lens zooms the picture larger or smaller to fit the screen. See the remarkable AUTO-LOAD now. Just **$129.95,** as little as **$13** down.

**PHOTOMATION** *from* **Bell & Howell**

*FINER PRODUCTS THROUGH* ***IMAGINATION***

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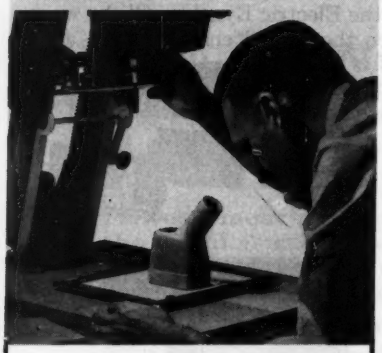
# Bausch & Lomb ENLARGING FOCUSING MAGNIFIER with NEW Improved Grid



makes PERFECT-FOCUS ENLARGEMENTS quicker...easier...

$6.50

In just 3 seconds, you can attain more critical focus when enlarging than by any other method! No guesswork—no errors—no wasted time or materials. Enlarging Focusing Magnifier with NEW GRID assures *positive* focus by reminding you *how* to use it *as* you use it. Enjoy making professional quality enlargements *every time*—do it with the Enlarging Focusing Magnifier. Write today for *free* literature or see your photo dealer for demonstration. Bausch & Lomb Optical Co., 55936 Bausch St., Rochester 2, New York.

BAUSCH & LOMB

SINCE 1853


## BUYING GUIDE

*(Continued from page 148)*

prevention. Other features same as 1936 version.
**Last List Price:** $114.
**Used Selling Price:** $57-$80.
**Special Identification Points:** 1. Built-in flash sync; 2. Visual signal for blank exposure prevention.

### SUPER IKONTA D

**Film Size:** 8 pictures 2½ x 4¼ or (with mask) 16 pictures 2⅛ x 2½ on 616 film.
**Introduced:** 1936 **Discontinued:** 1939
**Lens:** 120mm f/4.5 Tessar.
**Shutter:** Compur, 1-1/250, B, T, ST; or Compur-Rapid, 1-1/400, B, T, ST.
**Flash Sync:** None. See note, beginning of Zeiss section.
**Special Features:** Coupled rangefinder; self-erecting front.
**Last List Price:** $94.
**Used Selling Price:** $32-47.
**Special Identification Points:** 1. Considerably larger dimensions than other Super Ikontas.

## ULTRAMINIATURE CAMERAS

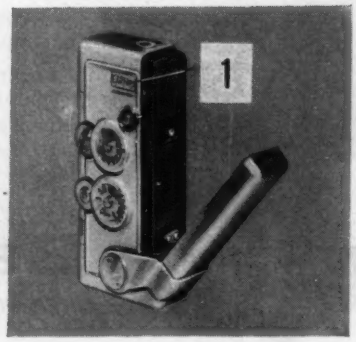
UNTIL RECENTLY, most people thought of ultraminiatures as "spy" cameras or toys—and indeed they came in such novel disguise as watches, cigarette lighters, cuff links, cane heads, tie pins, binoculars, belt buckles, and what have you. Today, however, the precision ultraminiature has been accorded the respect which is its due and no longer needs to masquerade as other than it is—a camera. You may have to do a bit of searching to find a used one, but for the photographer who desires the ultimate in portability, it is well worth looking for.

### GAMI

**Manufacturer:** Officine Galileo Di Milano, Milan, Italy.
**Importer:** Gami Corp., 452 Fifth Ave., New York 20, N.Y.
**Film Size:** 30 pictures 17 x 12mm (approx. ⅔ x ½ in.) using special 16mm cartridges (can be reloaded with 16mm standard movie film in strips).

### GAMI 16

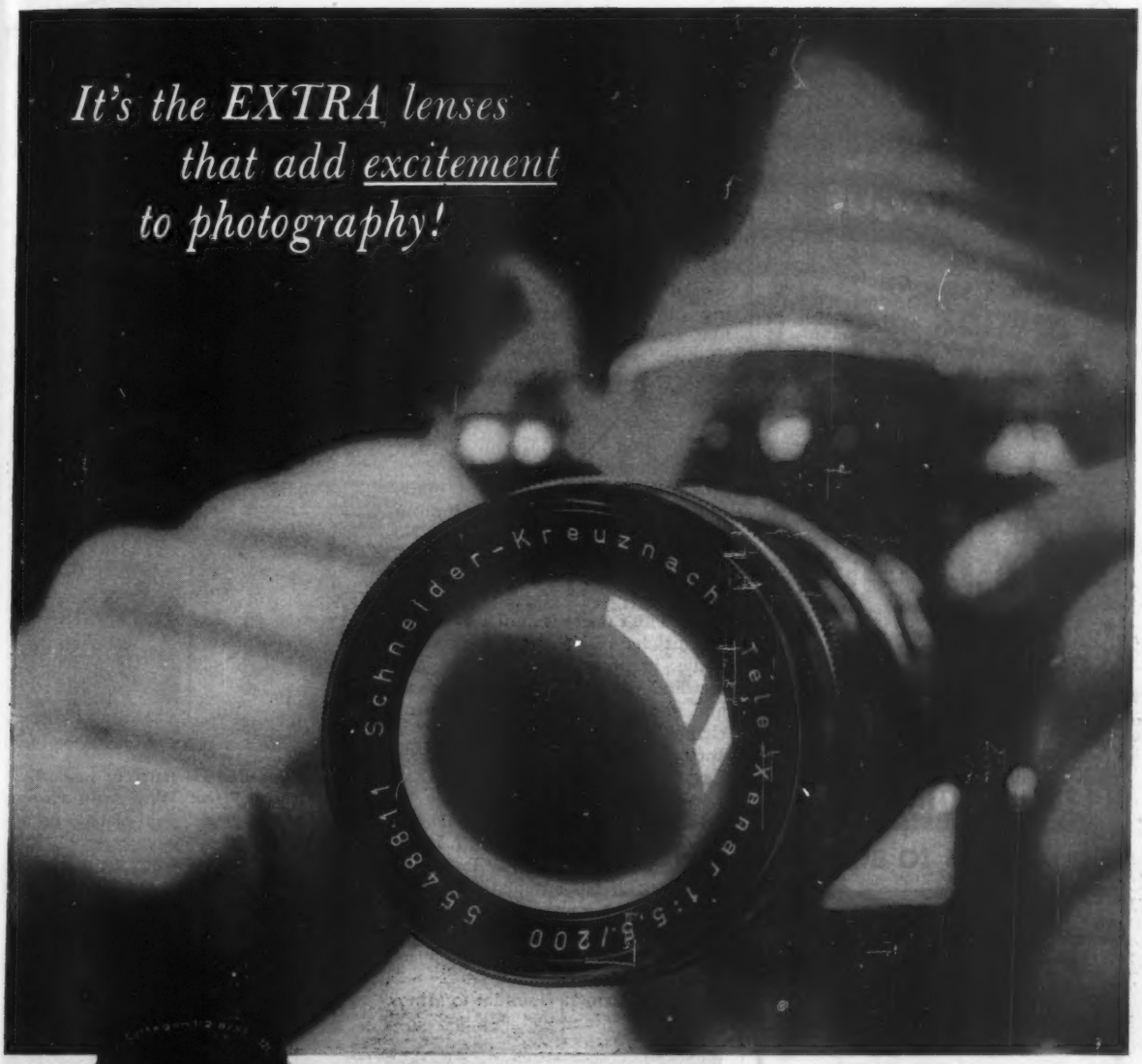
**Introduced:** 1954 (current model).
**Lens:** 25mm f/1.9 Galileo Esamitar.
**Shutter:** Metal focal-plane, ½-1/1000, B.
**Flash Sync:** X.
**Special Features:** Coupled rangefinder with single window for range-viewfinder; automatic parallax correction; built-in extinction type exposure meter coupled with exposure controls; built-in yellow filter; 3-shot sequence spring motor; film type indicator; built-in depth of field scale.
**Last List Price:** With case, $297.50.
**Used Selling Price:** $167-$190.
**Special Identification Points:** 1. "Gami 16" engraved on side of camera.




### MINOX

**Manufacturer:** Originally made in Latvia. Since 1945, made by Minox G.M.B.H., Giessen, West Germany.
**Distributor:** Kling Photo Corp., 257 Fourth Ave., New York 10, N.Y.
**Film Size:** All models take up to 50 pictures 8 x 11mm (5/16 x 7/16 in.) using 9.5mm unperforated film in special Minox double cassettes.
**Lens:** All models have 15mm f/3.5 Complan 4-element lens.

*(Continued on page 156)*



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(wide angle)

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***Short lenses for those eye-compelling wide angle shots . . . long ones for capturing revealing, distant close-ups, will increase your photographic pleasures tenfold.*** **For these *extra* lenses, too, Schneider has been the leader for years . . . pioneering new designs acknowledged supreme for exacting work in black and white or color. One or more of these extra lenses will make your camera a truly versatile, exciting tool . . . give you picture results that will dwarf all previous experiences. For complete information on these extra Schneider lenses, visit your dealer today, or *write for literature.***

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## BUYING GUIDE

*(Continued from page 154)*

**Shutter:** All models have Minox front-of-lens shutter, ½-1/1000, B, T.
**Flash Sync:** Early models have no flash sync; later models have X.

### MINOX I

**Introduced:** 1937 **Discontinued:** 1942
**Flash Sync:** None.
**Special Features:** Closing and opening camera automatically advances film, cocks shutter and sets exposure counter; built-in filter; focusing down to 8 in.; built-in depth of field scale.
**Last List Price:** $79.50.
**Used Selling Price:** $37-$48.
**Serial Numbers:** 1 to 20,000.
**Special Identification Points:** 1. Stainless steel body; 2. Only one built-in filter (later models have two); 3. No flash sync.

### MINOX II

**Note:** This camera is similar to Minox I, but has lightweight aluminum body; improved lens, shutter and viewfinder; two built-in filters (green and orange); distance measuring chain.
**Introduced:** 1949 **Discontinued:** 1951
**Last List Price:** $109.95.
**Used Selling Price:** $48-$60.
**Serial Numbers:** 20,000 to 35,000.
**Special Identification Points:** 1. Lightweight aluminum body; 2. Two built-in filters; 3. No automatic filter retraction when camera is closed as in later Minox III; 4. No flash sync.

### MINOX III

**Note:** This camera is similar to Minox II, but has the following improvements: extremely brilliant viewfinder with automatic parallax correction; filters retract automatically when camera is closed.
**Introduced:** 1951 **Discontinued:** 1954
**Last List Price:** $129.95.
**Used Selling Price:** $59-$72.
**Serial Numbers:** 35,000 to 75,000.
**Special Identification Points:** 1. Filters retract automatically when camera is closed; 2. No flash sync.

### MINOX IIIS

**Note:** This camera is similar to Minox III, but has built-in X type flash sync.

**Introduced:** 1954 (current model).
**Last List Price:** With satin chrome finish, $139.95; gold-plated model, $299.
**Used Selling Price:** Satin chrome finish model, $74-$87; gold-plated model, $130-$160.
**Serial Numbers:** From 75,000.
**Special Identification Points:** 1. Built-in flash sync; 2. No built-in exposure meter.

## MISC. STILL CAMERAS

LARGE REFLEXES, PRESS CAMERAS and others not in previous categories are included here. Long considered the tool of professionals, the large camera has a deserved reputation for quality, is uniquely suited to a number of specialized jobs. A used one in good condition can be a valuable second camera for the serious amateur, too.

### GRAFLEX

**Manufacturer:** Graflex, Inc. 3750 Monroe Ave., Rochester, 3, N.Y. (Known before 1943 as Folmer Graflex Corp.)
**Type:** Single-lens reflex.
**Film:** All models except 1A, 3A, and National Graflex use sheet film, plates or film pack, and also accept Graflex roll film attachments and sheet film or plate magazines.
**Lens:** Lenses were usually supplied in barrel mounts. However, those cameras having interchangeable lens boards occasionally were fitted with lenses in between-the-lens shutters. Standard lenses include Kodak Anastigmat, B. & L. Tessar or Zeiss Tessar. The later Graflex models also come with Kodak Ektar or Graflex Optar lenses.
**Shutter:** All models have Graflex focal-plane shutters. Range of shutter speeds varies with the different models.
**Flash Sync:** With the exception of the R.B. Super D, none of the Graflexes has built-in sync for the focal-plane

*(Continued on page 160)*

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## NEW KODAK CAMERAS & PROJECTORS

| | | |
|---|---|---|
| **KODAK CAMERAS** | | |
| Kodak Signet 50 35mm w/flash | $82.50 | $59.95 |
| Kodak Stereo outfit | 99.50 | 74.50 |
| Kodak Stereo camera | 89.50 | 67.50 |
| Kodak Duaflex IV outfit | 25.25 | 18.95 |
| Brownie Hawkeye flash outfit | 15.25 | 11.50 |
| Kodak Starflash outfit | 9.95 | 7.10 |
| Kodak Pony 135 model C, f3.5 | 36.50 | 27.00 |
| Kodak Pony 135 model IV outfit | 58.40 | 41.95 |
| Kodak Signet 40 35mm w/flash | 62.50 | 45.95 |
| **KODAK MOVIE CAMERAS** | | |
| Kodak Brownie 8mm model II, f2.8 | 32.95 | 22.75 |
| Kodak Brownie turret 8mm f1.9 | | 59.95 |
| Brownie 8mm turret, f2.3 | 59.50 | 41.95 |
| Kodak Medallion 8mm mag. f1.9 | | 79.95 |
| Kodak Medallion 8mm mag. f1.9 for | 144.50 | 95.80 |
| Kodak K100 16mm f1.9 lens | 299.00 | 223.75 |
| Kodak K100 turret 16mm f1.9 lens | 337.00 | 251.75 |
| **KODAK PROJECTORS** | | |
| Cine Kodak Showtime 8mm proj. | 123.50 | 92.00 |
| Cine Kodak Showtime w/variable speed control | 139.00 | 99.50 |
| Brownie "300" 8mm movie proj. | 64.95 | 46.95 |
| Brownie "500" 8mm movie proj. | 79.50 | 57.95 |
| Kodascope Royal 16mm movie proj. | 295.00 | 220.75 |
| Kodak "300" 35mm slide proj. w/readymatic changer | 64.50 | 45.95 |
| Kodak "300" w/Airequipt changer | 74.50 | 52.95 |
| Kodak "500" w/Airequipt changer | 87.50 | 62.00 |
| Kodak Cavalcade Proj. #500 | 149.50 | 109.95 |

## NEW 1958 CAMERAS

- Retina IIIC f:2 Xenon exp. mt. List 175. — 98.50
- Retina Reflex f:2 lens exp. mt. List 215. — 133.50
- Contaflex #1 f:2.8 Tessar w/case. List 167. — 98.50
- Contaflex #2 f:2.8 exp. mt. w/case. List 190. — 112.50
- Contaflex #3 f:2.8 Tessar w/case. List 190. — 119.50
- Contaflex #4 f:2.8 Tessar exp. mt. w/case. List 213. — 129.50
- Aires IIIC f:1.9 w/case rapid wind. List 123.50 — 99.50
- Aires IIII. f:1.9 w/case rapid wind LVS. Reg. 112. — 71.50
- Nikon S-2 f:1.4. Reg. 345. (no longer imp. in U.S.) — 229.50
- Kine Exakta VXIIA. List 429. built in exp. meter (used) — 259.00
- Minox IIIS f:3.5 lens case chain. List 139. (used) — 59.95
- Royal f:1.9 lens exp. mt. w/case. List 108.50 — 69.50
- Leica M3 f:2 Summicron Reg. 444. used w/case — 289.00
- Leica IIIF f:2 Summicron w/case. Reg. 309. used — 165.00

### NEW 1958 REFLEX CAMERAS

- Ikoflex Ic f:3.5 Novar w/exp. meter case. Reg. 142. — 71.50
- Ikoflex IB f:3.5 Novar w/case. Reg. 116.50 — 58.50
- Ricoh Diacord G f:3.5 w/case. Reg. 56.50 — 39.50
- Ricoh Diacord L f:3.5 w/case. Reg. 75.00 — 59.50
- Super Ricohflex f:3.5 w/case. Reg. 34.50 — 19.95
- Minolta Autocord f:3.5 w/case. List 109.50 — 77.50

IN STOCK . . Rolleiflex, Rolleicords, Mamiya, Yashicas, Specially Priced

## NEW 1958 Slide Projectors

| | | |
|---|---|---|
| B&H Robomatic projector | 149.50 | 119.50 |
| B&H TDC Headliner 300 Auto chngr & case | 62.50 | 39.95 |
| Kodak Cavalcade Auto projector | 149.50 | 119.50 |
| Kodak auto 300 projector, Airequipt | 74.50 | 54.50 |
| Kodak readymatic 300 projector | 64.50 | 46.95 |
| Revere 888D automatic projector | 159.50 | 109.95 |
| B&L Balomatic projector 500 watt | 149.50 | 109.50 |
| Argus 500 watt Electromatic projector | 99.95 | 72.50 |
| Mansfield Midway 300 watt with Airequipt | 39.50 | 37.50 |
| Golde Coronet 300 manual projector with case | 27.50 | 21.50 |
| Mini-Projector with zipper case | 37.50 | 28.95 |

## BRAND NEW EXPOSURE METERS

| | | |
|---|---|---|
| Weston III w/case reg. | 32.50 | 21.95 |
| Weston Direct Reading | 18.95 | 13.95 |
| G.E. Golden Crown w/case | 34.50 | 23.95 |
| Alpex meter w/case | 14.95 | 5.95 |
| FR meter w/booster case | 9.95 | 6.95 |
| Sekonic meter Booster w/case | 14.95 | 9.75 |

## FAMOUS SCREENS SPECIAL

| | | |
|---|---|---|
| Unicam 40x40 Crystal beaded with stand | 17.95 | 10.95 |
| Unicam 30x40 Crystal beaded with stand | 16.95 | 9.95 |
| Unicam 37x50 Crystal beaded with stand | 19.95 | 11.95 |
| Unicam 50x50 Crystal beaded with stand | 21.50 | 12.95 |

LATEST MODELS

## SALE

### FOTOLARGER

- For all negs from 35mm to 2¼x3¼
- Exclusive distortion control
- Cool aluminum lamphouse
- Rotating glassless neg. carrier
- 360° Tilt for horizontal projection & distortion control
- 2" forward extension for extreme cropping.

### MODEL "E" DIFFUSION

| | List | SALE |
|---|---|---|
| Without Lens | $39.95 | $28.50 |
| w/90mm f6.3 | 52.45 | 36.95 |
| w/90mm f4.5 | 59.95 | 41.95 |
| w/51mm f4.5 | 56.95 | 39.95 |

### Accessories for Above Fotolargers

| | |
|---|---|
| 4½" Dble condensers, 2¼x3¼ | $6.39 |
| 52mm Dble condensers for 35mm film | 3.89 |
| 3½" Dble condenser, 2¼x2¼ | 4.49 |
| Copy Back (Converts enlarger for copying) | 7.19 |
| Neg. carriers 2¼x2¼, 2¼x3¼ or 35mm ... each | 2.95 |

### DeLuxe FOTOLARGER JR. Model #2

- For all negs from 35mm to 2¼x3¼ — List 29.95
- w/neg. carrier
- w/90mm f6.9 lens — SAVE $8.00 — $21.95
- Diffusion Model
- 13x16 Base Board—Red Filter

## DARKROOM SPECIALS— BIG SAVINGS

| | List | United Price |
|---|---|---|
| Yankee Loadomat developing tank | 10.95 | 7.95 |
| Yankee 4x5 Agitank for cut film | 8.95 | 6.95 |
| Yankee Safelight with 3 filters | 4.95 | 3.85 |
| Yankee Agitrays 11x14 set of three | 9.95 | 6.95 |
| Airequipt Dialmaster Easel 11x14 | 19.95 | 13.95 |
| Airequipt 4-way easel | 8.95 | 6.25 |
| Airequipt Photocrat printer | 16.95 | 11.95 |
| Airequipt Junior printer | 12.95 | 6.95 |
| Ace Hard Rubber trays 5x7 | 1.05 | .74 |
| Ace Hard Rubber trays 8x10 | 1.75 | 1.23 |
| Ace Hard Rubber trays 11x14 | 3.65 | 2.55 |
| Brumberger 5x7 safelight OA | 5.95 | 4.25 |
| Brumberger safelight slides | .98 | .69 |
| Brumberger 8x10 Paper safe | 13.95 | 9.95 |
| Brumberger 11x14 Paper safe | 24.95 | 17.95 |
| Carr cut film hangers | 1.20 | .79 |
| Cesco 32 oz. porcelain graduate | 2.20 | 1.55 |
| Cesco 64 oz. porcelain graduate | 3.00 | 2.15 |
| Richards 18" deluxe washer | 24.95 | 17.95 |
| Fedco Focus-Rite enlarging aid | 2.25 | 1.75 |
| Fedco electric dryer 11½x15 | 9.95 | 6.95 |
| Premier Roto-Dryer 24x28 | 49.95 | 34.95 |
| Premier Roto-Dryer 12x28 | 27.50 | 18.50 |
| Arkay electric dryer 13x15½ | 20.75 | 14.95 |
| Gra-Lab Luminous timer | 24.95 | 17.95 |
| Time-O-Lite professional timer | 32.50 | 23.50 |
| Spot-O-Matic enlarging photometer | 15.00 | 10.95 |
| Weston dial thermometer | 7.25 | 5.45 |
| Pelouze chemical scale. Avoir or metric | 11.75 | 8.39 |
| Morse G-3 developing tank. 8-16-35mm film | 34.50 | 26.95 |
| Arkay 8x10 Print washer | 5.25 | 3.69 |
| Arkay 11x14 Print washer | 8.95 | 6.25 |
| Precise 11x14 adjustable enlarging easel | 6.75 | 4.95 |
| Print roller 8" twin. ball bearings | 2.00 | 1.89 |
| Photo Darkroom Guide Book | | 1.95 |
| Fidelity 4x5 cut film holders graphic type | 4.50 | 3.15 |
| Kodak darkroom timer | 10.50 | 7.75 |
| Kodak auto tray siphon | 4.95 | 3.70 |
| Kodak Brownie darkroom lamp kit | 1.75 | 1.39 |
| Kodak 2-way safelight OA | 7.10 | 5.40 |
| Kodak daylight developing tank | 11.50 | 8.95 |
| Kodak 35mm Ektachrome processing outfit | 29.75 | 24.50 |

## UNICAM Geared Action Elevator Tripod

- Extra 90° tilt on panhead
- Geared for quick action, raising and lowering
- 3 section model
- 74½" opened, 28½" closed, 12" elevator rise
- Aluminum anodized legs with non-skid tips

List $21.95

Special $12.95

### MOVIE SUPPLIES AND ACCESSORIES REDUCED

| | List | United Price |
|---|---|---|
| Baia Action Editor complete for 8 or 16mm | 54.50 | 29.50 |
| Craig action editor complete for 8 or 16mm | 79.95 | 54.50 |
| Kalart EV-8 action editor | 39.95 | 28.95 |
| Premier master movie titler M2 | 37.50 | 26.50 |
| Accessory kit for above | | 8.95 |
| Keystone quick drop splicer | 3.50 | 2.95 |
| Mansfield junior splicer | 2.95 | 1.95 |
| Mansfield senior splicer | 9.95 | 6.95 |
| Logan 200' 8mm reel chest | 3.95 | 2.49 |
| Logan 300-400' reel chest 8mm | 4.95 | 2.79 |
| Logan 400' 16mm reel chest | 5.95 | 3.69 |
| Camera pistol grip with cable | 7.95 | 3.95 |
| Magic Plastic Titling outfit | 5.95 | 4.95 |
| Mittens movie title letters No. 2 sets | 11.95 | 7.95 |
| Leica to "C" mount converters | 5.95 | 4.50 |
| Exakta to "C" mount converter | 12.95 | 9.50 |
| Midget "V" lite unit with 4 lamps | 17.95 | 12.95 |
| Unicam lenses 6.5mm f:1.9 "D" mount | 49.50 | 22.50 |
| Unicam telephoto 36mm f:1.9 "D" mount | 49.50 | 22.50 |
| B&H, Brownie W.A. and Tele lenses | 18.95 | 13.95 |

## BIG DISCOUNTS FRESH KODAK COLOR FILM

| | |
|---|---|
| Kodachrome 135 36 exp. | 2.10 |
| Kodachrome 135 20 exp. | 1.50 |
| Kodachrome 828 | .80 |
| Kodacolor 135 20 exp. | 1.50 |
| Ektachrome 135 20 exp. | 1.50 |
| Ektachrome 120-620 roll | 1.00 |
| Kodachrome 8mm roll | 1.95 |
| Kodachrome 8mm magazine | 3.15 |
| Kodachrome 8mm 100' Bolex load | 6.10 |
| Kodachrome 16mm 100' spool | 6.10 |
| Kodachrome 16mm 100' spool single perf | 6.10 |
| Kodachrome 16mm magazine load | 3.10 |
| Super Anscochrome 135 20 exp. | 1.25 |
| Super Anscochrome 135 36 exp. | 2.55 |
| Super Anscochrome 120 roll | 1.35 |
| Super Anscochrome 16mm 100' spool PNI | 6.10 |
| Anscochrome 35mm Easyloader | 7.95 |

Minimum Order approx. $.00 Add 25c P.P.

## ACCESSORIES FOR STILL PHOTOGRAPHY BIG SAVINGS

| | List | United Price |
|---|---|---|
| Ultrablitz Jet II strobe unit | 69.95 | 49.95 |
| Ultrablitz Comet strobe unit | 54.95 | 39.95 |
| Mecablitz 500 strobe unit. Demonstrators | 89.95 | 49.50 |
| Mecablitz 100 transistor strobe | 49.95 | 37.50 |
| F-R model II electronic flash | 54.95 | 39.95 |
| Braun Hobby Automatic strobe | 109.75 | 77.50 |
| Norwood Super Director exposure meter | 19.95 | 15.50 |
| Walz Direct Reading meter, still or movie | | 5.95 |
| Weston Master III Rugcedized with case | 32.50 | 22.75 |
| General Electric Golden Crown with case | 34.50 | 24.50 |
| Leica M3 Meter. Used | 39.00 | 19.95 |
| F-R Exposure meter with Light Booster & case | | 8.95 |
| Bulk Film loader. Holds 100' film | 9.95 | 4.95 |
| Tilt Tops heavy duty | 5.50 | 3.49 |
| Ideal pocket range finder | 2.95 | 1.95 |
| Airequipt auto changer for most projectors | 14.95 | 11.50 |
| Camera neck chain. Heavy duty | 3.95 | 2.50 |
| Blower lens brushes | 1.95 | 1.25 |
| Plastic base III-FI recording tape 1200' | 5.50 | 2.49 |
| Plastic base III-FI recording tape 600' | 3.50 | 1.79 |
| Kodak cut film holders 9x12 cm | 4.25 | .75 |
| Self timers for most cameras | 4.95 | 2.49 |
| Argus Slide Previewer 35mm 2x2 | 7.95 | 5.95 |
| Argus Slide Previewer 2¼x2¼ | 13.95 | 9.95 |
| Airequipt Stereo Theatre | 29.95 | 21.95 |
| Airequipt Stereo trays | 1.49 | 1.09 |
| Airequipt Ultramatic Viewer | 14.95 | 11.95 |
| Ultramatic magazines 5 per box | 2.50 | 1.89 |
| Opta-Vue Custom 2¼x2¼ AC-DC variable light | 19.95 | 14.95 |
| Opta-Vue deluxe viewer with slide case | 12.50 | 7.49 |
| Opta-Vue model 300 slide file assts. colors | 2.95 | 1.95 |
| Logan table slide viewer 2x2 and 2¼ sq. AC-DC | 6.50 | 3.95 |
| C.O.C. Table Viewer Auto changer AC-DC portbl | 34.50 | 26.50 |
| Kodak Stereo viewer | 12.75 | 9.95 |
| Kodak Stereo II AC viewer | 24.75 | 18.95 |
| Kindermann Table Viewer | 13.95 | 9.95 |
| Metal Slide file 2x2 holds 300 cbd | 3.95 | 1.89 |
| Metal Slide file 2¼x2¼ holds 200 cbd | 4.95 | 2.69 |
| Leitz Bindomat complete | | 19.50 |
| Slide file case holds 12 trays TDC etc. | 6.95 | 4.95 |
| Slide file case holds 24 as above | 12.95 | 8.95 |
| TDC type trays with plastic covers | 1.50 | .89 |
| TDC style trays per three | 3.75 | 1.50 |
| Revere style trays | 1.75 | .79 |
| Airequipt trays per three | 6.75 | 4.50 |
| Plastic Gadget Bags large size | 4.95 | 1.95 |
| Contour Leather Bags 14x11x4½ | 15.95 | 9.95 |
| Staticmaster 1" brush | 4.95 | 3.69 |
| Staticmaster 3" brush | 9.95 | 7.95 |
| Anti-Static cloth duster | 2.95 | 1.95 |
| Folding BC Pocket flashgun. PC tip | 9.95 | 4.95 |
| Folding pocket magnifying glass | 3.50 | 1.75 |
| All metal pocket tripods. Extends to 40" | 12.95 | 7.95 |
| Flash cords all types connectors coiled | 4.95 | 1.95 |
| Wide Angle supplementary lenses for all 35 cameras | 19.95 | 14.95 |
| Telephoto lenses as above | 19.95 | 14.95 |

UNITED CAMERA EXCHANGE

MAIL ORDER DEPT.
265 Madison Ave.
New York 16, N. Y.
LE 2-6822

MIDTOWN BRANCH
1140 Ave. of Americas
New York 36, N. Y.
MU 2-8574

# SPIRATONE — The Lens and Closeup Accessory Specialists

## CLOSE-UPS TO 3½"! Close-up lenses

bring within EVERY photographer's reach subjects which would be too small if photographed at the regular 3 ft. closest camera setting: Head and shoulder portraits, children's pictures, copy work—a whole new field of picture taking.
With extreme closeup lenses, you can get as close as 8" with a Plus 4, 7" with a Plus 5, 5½" with a Plus 6, 3½" with a Plus 10. You can use two extreme closeup lenses, with a double retaining ring, for even more extreme closeups. With a Plus 5 lens, you can fill the complete 35mm frame when reproducing a postcard: a Plus 10 is just right for insects, stamps and coins. Extreme Closeup lenses make macrophotography possible with a tiny investment. All exc. Plus 10, mounted in metal rings. *Shipping Charge 15c.*

| To fit filter-holders | Plus 1 from 30" to 20" | Plus 2 from 20" to 13" | Plus 3 from 13" to 10" | Plus 4 from 10" to 8" | Plus 5 to 7" | Plus 6 to 5½" | Plus 10 to 3½" |
|---|---|---|---|---|---|---|---|
| SER. IV | $1.15 | $1.15 | $1.15 | — | — | — | — |
| SER. V | 1.39 | 1.39 | 1.39 | $1.75 | $1.95 | $2.25 | $2.65 |
| SER. VI | 1.59 | 1.59 | 1.59 | 2.00 | 2.30 | 2.75 | 3.25 |
| SER. VII | 2.98 | 2.98 | 2.98 | 3.25 | 3.75 | 4.25 | 5.25 |

Plus 1 Plus 2 Plus 3 Plus 4 Plus 5 Plus 6 Plus 10

## PRICES SLASHED IN HALF!! HIGHEST QUALITY OPTICAL GLASS FILTERS

**COATED** FILTERS IN SERIES SIZES to fit standard filterholders
For B. & W.: Lt. Yel., Med. Yel., Green, Red, Orange, Haze.
For Anscochrome, Super Anscochrome Daylight: UV15, UV16, 82A, 80A, No. 10.
For Kodachrome Type A, Anscochrome Tungsten: 85A, 85B, 82C.
For CLOSE-UPS: +1, +2, +3
For KODACHROME, EKTACHROME DAYLIGHT: Haze, Skylight, 82A, 80B, 81B.
For ANSCOCHROME, KODACHROME, EKTACHROME TYPE F: 85C, 82A, 82C.
NEUTRAL DENSITY: 2X, 4X.

| Coated | | Uncoated | |
|---|---|---|---|
| Ser. IV | $1.54 | Ser. IV | $1.15 |
| Ser. V | $1.94 | Ser. V | $1.39 |
| Ser. VI | $2.44 | Ser. VI | $1.59 |
| Ser. VII | $3.34 | Ser. VII | $2.98 |

*Sh. Chge. 1 to 4 filters 15c*

**OTHER FILTERS IN SERIES SIZES** *available uncoated only*
Neutral Density 8X, 10X, Haze 2A, 81, 81D, Flash 1D, 80C, UV-17, Infra-Red, CC-M10, #11, 81A, 82B.

Clip here for this **SPECIAL OFFER**
Buy at least five filters and closeup lenses at one time and we will supply COATED filters (in colors listed) at uncoated prices, saving you $5.00 and up on this order alone.

## CLOSEUPS ARE SIMPLE

and inexpensive, when you buy your closeup accessories from Spiratone, the only firm specialized in low-cost closeup photography equipment.

### GOOSENECK LIGHT ATTACHMENT $5.95

With C clamps, fits copy-stand or enlarger pole. 2 special reflectorhoods $2.29 add'l. Sh. Wt. ½ lbs.

### DELUXE COPY STAND

$12.95

Designed by us for use in conjunction with closeup lenses, extension tubes, bellows attachments, to complete with a moderate investment, your closeup and copying equipment. Strong enough for a Polaroid, yet compact in storage (two-piece post) and equally well suited for copying, medical, scientific work and movie titling. Camera bracket permits centering of camera over subject. 15x18" baseboard is very practical for large originals. 1½" diameter pole is 38" high. *Shipping Weight 11 lbs.*

### 6-PC. EXTENSION TUBE SET

FOR EXAKTA, EXA. Set contains two precision-fitted brass adapters and four tubes, 5mm, 15mm, 30mm and 45mm, providing the greatest possible range of closeup work from a 3.4 reduction to a 2.2 magnification ratio. *Shipping Charge 35c.* 6 pc. set but with one FOCUSING TUBE from 40mm to 55mm, alone a $10 value. Complete set $11.50. Leather Pouch .96 EXTRA 45mm TUBE $3.50 2 in 1 Adapter, makes 5 mm ext., List $10.... $4.95 — $7.95

PRO COPY OUTFIT Stand light att. w. reflectors, Proxiscope Sr., all as illustrated $24.99

SAVE 33% TO 80%

*Most Useful Accessory for All Films!*

## POLARIZING FILTERS & SCREENS

With Without

For all Color and black and white film. Eliminate glare and reflections in scenery, water, show-windows . . . emphasizes clouds, the ONLY sky filter usable with Kodachrome, Anscochrome, Ektachrome. Polarizing Screens have double threaded rings to allow use of extra filter or closeup lens, handle for convenient adjustment of maximum polarizing effect.

| | Polarizing Filter | Polarizing Screen | Polarizing Screen with Viewer | Leather Pouch |
|---|---|---|---|---|
| SER. IV | $1.54 | $3.75 | $5.99 | .49 |
| SER. V | $1.94 | $3.75 | $6.77 | .59 |
| SER. VI | $2.44 | $4.75 | $7.99 | .69 |
| SER. VII | $3.34 | $5.75 | $9.77 | .79 |

*Shp. Chg. 15c*

### FOLDING BELLOWSCOPE

$14.95 FREE with this FOLDING BELLOWSCOPE: PROXISCOPE SR. a $8.00 value.

Available for: Leica, Canon, Kine Exakta, Exa, Praktiflex FX, Pentacon, Asahi Pentax Bilora, Contax, Praktina model $5.00 extra

The most useful of lens-to-camera closeup accessories. It weighs only 5 oz., has fine leather bellows and a geared track with a positive lock. A sturdy, accurate frame assures proper alignment. An extension range up to 5" is provided, with magnification factors engraved on the track. *Shpg. Chge. 70c*

NEW 1958 DOUBLE-TRACK FOLDING BELLOWSCOPE, extra sturdy. List $29.95, a Spiratone first at.... $18.95 Leather Pouch ..$1.20

### DOUBLE RETAINING RING

Permits use of two closeup lenses (for extreme closeups: +2 and +3 make +5), closeup lens and filter (correction, conversion, pola), two filters, two minus lenses, at same time. Fits standard filterholders. Ser. C or IV 85c; Ser. V 85c; Ser. VI 95c; Ser VII $1.50.

### PROXISCOPE SR.

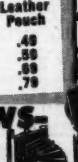
WITH ELEVATING ACTION $4.95

An absolute must for any kind of closeup and copy work. Doubles up as perfect elevating attachment, with both tripod and camera fittings for horizontal as well as vertical fastening of camera.

- A deluxe version of the most useful camera accessory for every practical photographer.
- Permits minute adjustments in a 4½" range on its geared track, with a positive lock at any desired point.

*Shpg. Chg. 50c.*

### BELLOWS-MAT


The sensational new 'view-camera' Bellowscope, with rising front and back, swinging front rotating back. $29.95

"About Filters, Closeups and Minus Lenses" is a booklet crammed with valuable information. Send 25c, or free on request with orders of $3.00 or more.

FREE with orders over $3.00, or send 25c for CLOSE-UP DICTIONARY—contains all needed tables, too.

### 4-PC. EXTENSION TUBE SET

for Praktica, Praktiflex FX, Contax, S, B, BA, Pentacon $6.95

This exceptionally well-made set includes in addition to the usual 5mm, 15mm and 30mm tubes a 45mm tube, thus permitting up to 2X magnification, when the complete set is used: a tiny object, ½" x ¾" can be made to fill the entire 35mm negative or transparency! *Sh Ch 35c.* EXTRA 45mm TUBE $3.50 Leather Pouch 99c. 4 pc. set, but with one FOCUSING TUBE, alone a $10.00 $9.95 list, increasing maximum extension to 100mm. .....

### GENUINE LEATHER FILTERBANK

HOLDS 6 FILTERS

Available in Ser. IV ($1.00), Ser. V ($1.00), Ser. VI ($1.25), Ser. VII ($1.50). ONLY 50c with your order for $5.00 worth or more filters, closeup lenses.

### DUTO DIFFUSERS

A MUST FOR PORTRAITS & LANDSCAPES! DUTO TYPE FOR ALL CAMERAS

Now available in standard series sizes, to fit all filter holders! Every serious photographer wants to use these famous coated diffusion disks preferred by the world's foremost pictorial photographers for their salon shots. Ser. IV $1.94; Ser. V $1.94; Ser. VI $2.44; Ser. VII $3.34

### PRECISION MADE ALL METAL LENSSHADES (HOODS)

fit filterholders (adapters)
Series C or IV..$1.40 Series V ..$1.45
Series VI .....$1.75 Series VII..$3.50
prices on SERIES 8 & 9 ON REQUEST

NOTE: All series accessories fit series filterholders. If you do not have a filterholder, write, naming camera and lens.

### TELEPHOTO and WIDEANGLE AUX. LENSES AND ACCESSORIES FOR POLAROID cameras

| | For models 80 (A, B), 95 (A, B), 150, 700, 800 | For models 110, 110A |
|---|---|---|
| Telephoto or Wideangle, with adapter, leather case. | $12.29 | $16.95 |
| Complete Set of Telephoto and Wideangle Lenses, complete with two adapters, double leather case. | 24.39 | 29.95 |
| Telephoto-Wideangle Bright Frame Finder for Polaroid, $5.95. When bought TOGETHER—with Tele or WA lens. | 3.95 | 3.95 |

FOR ALL MODELS
Selftimer, fits cable release socket..... $2.95
Photo-electric exposure meter, fits shoe..... 3.95
Extra Powerful 3X Supertel telephoto, with adapter, case 44.00
Long Cable Releases with booster, 10 ft. 4.49; 20 ft. ..... 7.95
Deluxe COMPARTMENT CASE, holds camera and accessories in custom pockets and compartment. Lits $24.00.... 9.95

FREE POLAROID FLASH DIAL for all films, with purchase of Polaroid accessories. *Shipping Charges Extra. When ordering, specify your Polaroid Model*

More POWERFUL than ever and at the LOWEST PRICES in photographic history!

### NEW! TELEPHOTO and WIDEANGLE LENSES MODEL VI

LATEST DESIGN AUXILIARY Spiratone with Lifetime Service Guarantee

Hardcoated, superbly color-corrected; do not affect exposure or lensopening; require no installation—fit into Series VI adapter (filterholder) — interchangeable with other adapters, so one lens can be used on many cameras.
Spiratone Telephoto lenses bring distant objects closer, help fill entire negative or slide with important subject matter, crop out unwanted background.
Spiratone Wideangle lenses add coverage in cramped quarters, are wonderful for groups, landscapes. They increase depth of field, too, for foreground-to-infinity sharpness.

FOR ALL MODELS RETINA, OLYMPUS, AIRES, RICOH, PETRI, LORD, KONICA
Aux. Telephoto or Wideangle lens, fits Ser. VI adapter .....$13.95
Luxurious zippered topgrain leather case ...99c
Series VI adapter .....$1.95
Matching Telephoto or Wideangle Finder....$3.95
Set of aux. Telephoto and Wideangle Lenses, in double-zippered leather case, with filter retaining ring, complete outfit VI-TWCR ..... $25.95

NEW SPIRATONE UNIVERSAL TURRET and CLOSEUP (+1, +2, +3) FINDER The most versatile finder ever made, matched to your normal 35mm camera lens, telephoto and wideangle Aux. Lenses. Has parallax correction to 10', for use with +1, +2, +3 closeup lenses and from 3 feet to infinity.... $12.95
If bought with outfit VI-TWCR, only $6.47

*Ship. Chg. for one lens 25c; for set 60c*

### FOR 35mm CAMERAS

USING SERIES VI ADAPTERS $13.95 EACH

### MODERNIZE YOUR CAMERA WITH A RAPID WIND $3.95

For: LEICA, CANON, NIKON, CONTAX, PRAKTIFLEX, HEXACON, CONTAFLEX, PRACTICA, PRAKTINA PENTACON, ARGUS C3, C4, C44—name your camera. 5 shots in 6 seconds! No installation—fits over winding knob. *Shipping Charge 10c*

### GROUNDGLASS FOCUSER

Reg. $4.95

For virtually All 35mm Cameras $2.49

Fits back of almost every 35mm camera with removable back—lets you check lens, finder accuracy, effect of closeup lenses etc. No installation — snaps in and out of film plane.

### 65mm WIDEANGLE for 2¼ x 3¼ $19.89

in famous full-synch shutter, 8 speeds — 1 sec. to 1/300th. Another Leitmeyr-made wideangle lens, 65mm f:6.8, covers about 85 degrees on the 2¼ x 3¼ negative. Shutter has delayed action, V-X-M synch, alone a $20 list. Lensboard for Graphic (state model) $2. *Ship. Charge 25c*

Spiratone proudly announces the most

# Gigantic Sale in TELEPHOTO and WIDEANGLE LENSES

IN THE HISTORY OF PHOTOGRAPHY!

SAVINGS FROM 38% TO 66%

**Culminating years of negotiations with importers, exporters, West-German and Japanese manufacturers, we are now offering 48 of the most popular lenses at prices you wouldn't dream are possible. Yet, every lens is brand-new, carries a nationally advertised name, is fully guaranteed by the importer and manufacturer. All lenses are coated, color-corrected; telephoto lenses have lightweight mounts. These are not discontinued models—but brand-new 1959 designs.**

CODE
1. ALPA
2. ASAHI PENTAX
3. CARON
4. CONSOL
5. CONTAX D, S
6. CONTAX II, IIa, III, IIIa
7. EDIXA REFLEX
8. EXA
9. EXAKTA
10. HASSELBLAD
11. HEXACON
12. KALIMAR 66
13. LEICA*
14. NIKON
15. PENTACON
16. PRAKTICA
17. PRAKTIFLEX
18. PRAKTINA

**When ordering, make sure your camera code number is listed next to lens you choose:**

| Focal Length | Speed | Special Feature | To fit Cameras | List Price | Sale Price |
|---|---|---|---|---|---|
| 35MM | F.2.8 | rf-cpld. | 3, 13 | $ 89.95 | $42.95 |
| 35MM | F.2.8 | pre-set | 1, 18 | 79.95 | 47.95 |
| 35MM | F.3.5 | pre-set | 2, 4, 5, 7, 8, 9, 11, 15, 16, 17 | 79.95 | 39.95 |
| 35MM | F.3.5 | rf-cpld. | 3, 13 | 66.95 | 34.95 |
| 35MM | F.2.5 | pre-set | 2, 4, 5, 7, 8, 9, 11, 15, 16, 17 | 89.95 | 49.95 |
| 35MM | F.2.8 | rf-cpld. | 14 | 79.95 | 49.95 |
| 100MM | F.2.8 | pre-set | 1, 2, 4, 5, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18 | 59.50 | 32.95 |

| Focal Length | Speed | Special Feature | To fit Cameras | List Price | Sale Price |
|---|---|---|---|---|---|
| 135MM | F.3.5 | pre-set | 1, 18 | 69.50 | 34.95 |
| 135MM | F.3.5 | rf-cpld. | 3, 13 | 66.95 | 39.95 |
| 135MM | F.3.5 | rf-cpld. | 6, 14 | 79.95 | 49.95 |
| 135MM | F.3.5 | pre-set | 2, 4, 5, 7, 8, 9, 11, 15, 16, 17 | 69.95 | 25.95 |
| 135MM | F.2.8 | pre-set | 2, 4, 5, 7, 8, 9, 11, 15, 16, 17 | 89.95 | 29.95 |
| 180MM | F.4.5 | pre-set | 1, 2, 4, 5 | 72.00 | 38.95 |
| 200MM | F.5 | pre-set | 7, 8, 9, 10, | 79.50 | 47.05 |
| 250MM | F.5.5 | pre-set | 11, 12, 15, | 120.00 | 64.95 |
| 400MM | F.5.5 | pre-set | 16, 17, 18 | 178.00 | 99.95 |

*for M3, $5.00 extra

Leather Pouches for 35mm $1.25, for 100 mm, 135mm $1.98. *Shipping Charge 75c*

## 3½ FAN REFLECTOR $1.95 ppd

*Modernize your present flashgun with a*

Tiny, efficient 13 blade reflector attached to M-base adapter fits any gun now using No. 5, 25 lamps. Guarantees maximum light output w. M2, M5, M25 lamps. Only 2½"x1" collapsed. Complete w. adapter, ejector.

## TIME EXPOSURES ½ SECOND TO 11 SECONDS WITH EVERY CAMERA $2.99

New unit fits cable release socket, provides delayed action plus 11 slow speeds
Leica, Yashica model—25c extra. *Shpg. Chge. 10c*

## Best POCKET FAN FLASH Value Ever!

Extra large 6", 15 blade reflector; bladeholder; 2 positions—for regular and for M2, M25 lamps; extra-long interchangeable coiled cord (for bounce-flash!); long-life 200 mfd capacitor; pushbutton ejector; bulb-battery test system built-in; extremely compact—4"x1¾"x1½"; top-grain leather zipper carrying case attached to camera case strap; simplified exposure dial eliminates guess work; fits camera accessory clip or bracket. *Sh. Ch. 35c*

OPEN CLOSED

**All this for only $5.99** for standard PC or ASA synch terminals

Bracket for use of gun on side of camera $1.00; BC battery, lasts full year $1.00; synchronizer for old cameras $2.75; For Argus, Leica, Exakta, Practica, etc., synch fittings, add $1.00.

**BOUNCE** model, same as above, but with bounce feature and extension outlet, ask for "BM", only 80c extra.

## Silver Screen SLIDE TRAY CASE

Thanks to Spiratone's combining the facilities of a well-known projection screen with a famous case manufacturer, a dual purpose slide-tray storage case can be yours for half the cost of a regular case (when bought with trays or magazines). The luxurious two-tone leatherette-covered case holds 12 trays or magazines. The hinged cover is removable and contains a genuine silver screen, made of the material used in $40.00 units. Use for daylight or for small group projection—with amazing brilliance, $10.95.

DETACHABLE

## Airequipt MAGAZINES WITH COVERS

**2 for $3.18 12 for $18.95** *Sh. Wts. 2 & 8 lbs.*

**OFFER A-6 SILVER:** 6 Airequipt Magazines in silverscreen case. *Shpg. Wt. 8 lbs.* ..... **$13.22**

**OFFER A-12 SILVER:** 12 Airequipt Magazines in silverscreen case. *Shpg. Wt. 12 lbs.* ... **$22.22**

## SLIDE TRAYS for TDC, B&H

**VIEWLEX** Extra strong plastic trays, hold 30 cardboard and glass slides, intermixed, with index. *Shpg. Wts. 3, 7, 22, 50 lbs.*

LOWEST PRICES EVER!

| To Lots of 120 | 4 for | 12 for | 48 for | 120 for |
|---|---|---|---|---|
| | $1.95 | $4.98 | $17.95 | $36.00 |

**OFFER TDC-12 SILVER:** 12 trays in silverscreen case. *Shpg. Wt. 8 lbs.* ..... **$8.22**

Sturdy carry case for 12 *(Illustrated below)* only 50c extra

## SLIDE TRAYS for REVERE 553, 555, 888, WILLENSAK 815

Sturdy trays, hold 36 cardboard and glass slides, intermixed, with index.

12 in carrying case. **$8.95**

**OFFER R-12 SILVER:** 12 in silverscreen case. *Sh. Wt. 6 lbs.* **$14.22**

**REVERE 888 SPECIAL:** Remote Control 15 ft. Release plus 12 slide trays in Carry Case . . . $12.40; in silverscreen case . . . $16.00.

## For critical LEICA, CANON owners

## ACCURA REFLEX HOUSING for LEICA, CANON $39.95

*Shpg. Chg. $1.00* **READY TO USE—WITH DUAL RELEASE SYSTEM** *exc. M3

Never before could so small an investment change your Leica, Canon into a single lens reflex camera, ideal for parallax-free closeup, telephoto, medical and scientific work! Focus with formerly impossible fraction-of-inch accuracy through adjustable magnifier on bright, curved groundglass, press release: mirror jumps up, exposure is made of exact image you saw! Use with extension tubes or bellows for closeups, with special 135mm tele lens for complete closeup to infinity range.

**SAVE MORE STILL BY BUYING COMBINATIONS**

REFLEX HOUSING
- *Folding Bellowscope** *(Save $10.00 off list)* 49.95
- *Folding Bellowscope** and special Ctd. 135mm f.4.5 telephoto with 185mm lens converter .....77.90†
- **Duo-Track Model $5.00, Bellowsmat $10.00 extra.

**FREE** with any combination offer above: New Eyelevel Mirror device, a $14.00 value.

†this outfit for Leica M3 $82.90

## SYNCH YOUR OLD LEICA, CANON FOR FLASH OR STROBE $3.49 ppd.

No installation—just one quick adjustment over release button and you are all set for flash shots at speeds to 1/30th. Tripper accepts standard flashcord—or buy from us with flashgun to fit accessory clip.

Famous GEISS KONTAKT, synchronizes Leica IIIA, IIIC, cameras even at high speeds, was $19.95 $8.95 *Shipping Chge. 35c*

Fan-type BC Pocket Flash w. tripper $8.39; w. Geiss $11.79 | BC Batt. $1.00

*Exclusive! Experts said it was impossible — Spiratone's years of aux. lens research resulted in a truly advanced design.*

## 3X Spiratone SUPERTEL $39.95

For the first time, a completely interchangeable aux. telephoto lens giving 3X the area magnification, for virtually all cameras — Contaflex, Retina, Argus, Polaroid, Rollei, Minolta and so on. Uses same* lens opening, same exposure as always. Supertel's rare glass four elements are hard-coated and color-corrected. No installation—Supertel fits Series VI adapter (or Ser. V to VI stepup ring), does not require dangerous removal of part of camera lens, accepts Series VI filters. Supertel makes Rollei 75mm lens into 135mm, 130mm Polaroid lens into 235mm —you can make a 105mm automatic telephoto out of your 58mm automatic Biotar! Supertel is even adaptable to some telephoto lenses, increases focal length 80%! Supertel Topgrain Zipper Case $2.19

COMBI OFFER A for 35mm cameras: 3X Supertel, case, matching finder. **45.95**

COMBI OFFER B for any camera: 3X Supertel, Spiratone Aux. Wide-angle, two leather cases ..... **52.95**

Series VI Adapter (name camera, lens) $1.00

COMBI OFFER C for 35mm cameras: Same as Offer B, plus Universal Finder. **59.95**

*Shipping Charge 75c* *at f.4.5 or smaller

ANOTHER NEW SPIRATONE DESIGN

## "Easy Reach" TOPGRAIN LEATHER GADGET BAGS

Most convenient gadget bag style — previously only available in $30.00 to $60.00 models. Developed by us for the mass market, without sacrifice in quality. Topgrain pigskin throughout, velveteen-lined, zippered filterpocket, 2 outside pockets, tripod holders, adj. carrying strap —and exclusive accordion-type front opening!

Four models for 35mm, twinlens, movie, Polaroid, Press — select your size. *Shipping Weights: 4, 5, 6 and 7 lbs.*

"Easyreach" A, 10 x 8 x 4" ....$ 7.30 | "Easyreach" C, 12 x 9 x 6" ....11.30
"Easyreach" B, 11 x 8 x 5½" ....9.30 | "Easyreach" D, 16 x 11 x 6" ....14.30

## FOR THE 8MM & 16MM MOVIE FAN

## Photoelectric MOVIE EXPOSURE METER $2.95

Reads directly for Kodachrome, same range and accuracy as $20.00 meters. A Spiratone Exclusive. Leather Case 49c. *Sh. Ch. 15c*

## ALL-METAL PORTABLE Action EDITOR 8mm for $23.95

**$26.95 for 16mm**

Streamlined and most modern editor provides large, bright 2"x3" projected image in full motion. All-steel automatic splicer has built-in scraper. 'Fold-away' rewind arms make for extreme compactness.

40% off list

Deluxe Model, with exclusive focusing and framing controls, and luxurious carrying and storage case, only 13"x12"x8".

*Shpg. Wt. 10 lbs.* 8MM MODEL $28.95 List $45.28 | 16MM MODEL $31.95 List $50.31

## 4 pc 8mm EDITING OUTFIT $10.95

SAVE $10.55 off list

Outfit contains Projection Editing Viewer, with bulb, pair of rewinds with brakes, all metal splicer, all ready for simple mounting on board or table (not supplied). Can you afford to pass up such a value? *Sh. Wt. 6 lbs.*

Same outfit, but with automatic splicer ..... **$12.95**

## SUPER DELUXE 8mm EDITOR

**$14.95** Same viewer

rewinds as above, but with automatic splicer, plus metal base—a $26.00 5 pc. set. *Sh. Wt. 6 lbs.*

Same outfit, but with new Folding Rewinds, for maximum compactness ..... **$16.95**

## 8mm PROJECTION EDITING VIEWER

You'll more than ever enjoy editing your movies when you use this neat, all-metal, electric editing viewer. It projects a clear image on the groundglass, makes possible viewing from a comfortable distance. **$6.95**

*Shipping Weight 2 lbs.*

## CINE TITLER

LIST $8.95 — For 8mm & 16mm — **$4.19**

40% off list

Titles add action, provide continuity for your movies! Yet making titles is so simple with the Cine-Titler! Sturdy metal construction. Auxiliary lens for exact focus. Photograph picture postcards, titles of your own design: you can even shoot animated titles-an inst. booklet accompanies every titler. Light Att. $3.95 *Shipping Weight 4 lbs.*

If purchased at the same time as Action Viewer, Action or Super-Deluxe Editor

Titler alone ..... $5.48

## 8mm ACTION VIEWER

**$16.80** 8mm Model **$17.95**

- Projects brilliant 2 x 3" pictures in full action on the built-in groundglass screen—not just one frame at a time, but in continuous motion.

A viewer which makes editing a real pleasure. Easy to thread, scratch-proof, scientific ventilation of lamp-housing — really a blessing for movie fans with a limited budget who know they'd have to spend $40.00 and up for a viewer like it! *Sh. Wt. 4 lbs.*

## METAL REELS and CANS from 20¢

| | REEL OR CAN | REEL OR CAN | COMPLETE SETS |
|---|---|---|---|
| 8mm 200 ft. | 11 for $2.95 | 100 for $20.00 | 6 for $2.99 |
| 8mm 300 ft. | 9 for $2.95 | 50 for $18.00 | 5 for $2.98 |
| 8mm 400 ft. | 9 for $3.49 | 50 for $17.50 | 5 for $3.49 |
| 16mm 400 ft. | 8 for $3.99 | 50 for $18.50 | 4 for $3.89 |

*Approximate Shipping Weight, per 5 sets. 5 lbs.*

## $4.95 50% off original list — 8MM POCKET TITLER and CLOSEUP DEVICE

Makes any title on the spot, catches those otherwise impossible closeups of flowers, insects without any need to measure or focus, reproduces 35mm Kodachromes on 8mm film! Completely collapsible, with precision ground lens, the Pocket Titler screws directly into 8mm Brownie, or into Tiffen "C" adapter ($1.25 extra for any camera) or Ser. IV adapter.

**FREE** WITH POCKET TITLER: 20 Titling Cards, 10 color slides!

*Name make, model, speed lens or adapter when ordering. Shpg. Chge. 30c.*

*Every Movie Fan Needs an*

## AUTOMATIC PANNING ATTACHMENT $2.95

Turn handle, and gear smoothly pans your camera, for those really professional panoramic movie scenes! Fits below or on top of your present tilttop or panhead, works with any camera, any tripod. Calibrated in degrees. This feature is incorporated into professional panheads costing $30.00 and more, has never before been available to the amateur. *Ship. Chge. 15c*

## FINEST QUALITY PROJECTION BULBS

Save $1.75 to $8.00

| | | | |
|---|---|---|---|
| 300 Watt T8½, SC | BAY CLS | reg. each $2.50 | 2 for $3.25 |
| 500 Watt T10, | CZX | reg. each 4.15 | 2 for 4.15 |
| 750 Watt T12, | DDB | reg. each 4.90 | 2 for 4.95 |
| 1,000 Watt T12, | DFT | reg. each 6.80 | 2 for 8.05 |

*Shipping Weight 2 lbs.*

## 35MM SINGLE LENS REFLEX OWNERS—

Want to "add" 3 more telephoto lenses to your outfit—for only $4.78? Write naming your camera, for FREE folder "Telephoto Stretchers."

All prices include excise tax. Postage and insurance MUST be prepaid, even when no shipping weight is stated — overpayment will be credited in full. Everything listed is brand-new (unless otherwise stated) and fully guaranteed against defects. 25% deposit on C.O.D.'s. Items marked 'Free', 'Premium' or 'Bonus' MUST be requested at time of purchase. Foreign orders welcome — allow for extra handling charges. When ordering accessories, be sure to name your camera, lens, shutter!

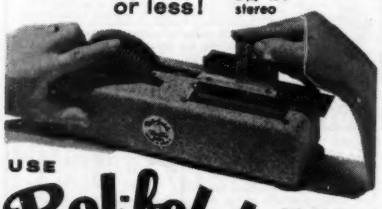
# SPIRATONE INC.

*When in New York visit us at*
369 7th AVENUE, NEW YORK 1, N. Y. (Opposite Pennsylvania Station)
SEND MAIL ORDERS TO: *Long Island store (away Main St.) at* 135-06 NORTHERN BLVD., DEPT. M12, FLUSHING 54, N. Y.

Warped slides spoiling your show?

mount each under glass in 30 seconds or less!

For 2"x2" 2¾"x2¾" 3¼"x4" stereo



USE Rol-fold SLIDE BINDER

Protects all size color transparencies

The new Rol-fold binder protects valuable slides from buckling—keeps every picture sharply in focus. *Fastest! Easiest!* Binder places tape accurately on glass. Rubber rollers seal edges and corners instantly and smoothly. Rubber suction cups hold binder securely on any surface. No clamps necessary. Order Rol-fold today. SATISFACTION GUARANTEED.

SPECIAL INTRODUCTORY OFFER

SAVE $2.25!

| | |
|---|---|
| Rol-Fold Binder | $21.95 |
| Tape, (cloth-back, ½"x2592") | 5.30 |
| Total Value | $27.25 |
| SPECIAL* | $25.00 |
| You Save | $ 2.25 |

*Offer expires Christmas, 1958

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8mm Spool ..... $1.00

| | |
|---|---|
| 8mm Magazine (with mag) | .75 |
| 8mm 100 ft. Bolex | 3.50 |
| 16mm 50 ft. spool | 1.50 |
| 16mm 50 ft. Magazine (with mag) | 1.00 |
| 16mm 100 ft. spool | 2.50 |

FREE Mailing Labels for above, just mention 8mm spool or 8mm Mag., 16mm spool or 16mm Mag.

35mm 20 Exp. Slide Mtd. $1.00

| | |
|---|---|
| 35mm 36 Exp. Slide Mtd. | 1.75 |
| Stereo 15 Pair Mtd. | 1.75 |
| Stereo 28 Pair Mtd. | 2.50 |
| 828 Mtd. | .80 |

Also Ektachrome and Anscochrome 35mm & 828

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ANY 6-8 EXP. ROLL DEVELOPED AND 1 OVERSIZE PRINT OF EACH GOOD NEG. $2.50

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8mm & 16mm B&W Processing, Lowest Rates Special Rush Service on B&W Sport and Industrial Film Processing, Send for Details!

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FILM PROCESSING SPECIALISTS Since 1937

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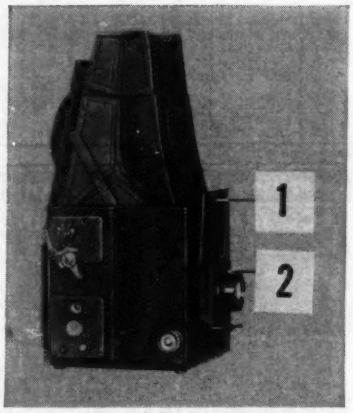
## BUYING GUIDE

*(Continued from page 156)*

shutter. Types 1 and/or 2 sync may be added to some models, but it may be expensive. Type 4 sync devices have been available in the past (see *page BG-7*).

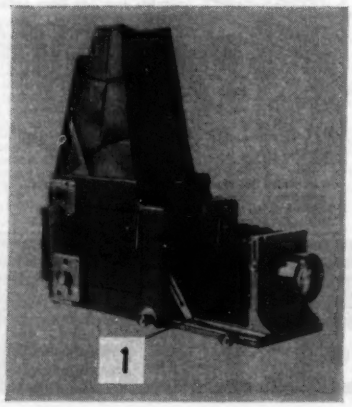
### SERIES B GRAFLEX




**Film Size:** Came in 2¼ x 3¼, 3¼ x 4¼, 4 x 5 and 5 x 7 models.
**Introduced:** 1925 **Discontinued:** 2¼ x 3¼ model, 1926; 3¼ x 4¼, 1937; 4 x 5, 1937; 5 x 7, 1942.
**Lens:** Interchangeable. Standard lens: f/4.5 Kodak Anastigmat.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Screw-in lens mount.
**Last List Price:** With f/4.5 Kodak Anastigmat lens: 2¼ x 3¼ model, $58.50; 3¼ x 4¼, $85.50; 4 x 5, $101.50; 5 x 7, $201.10.
**Used Selling Price:** 2¼ x 3¼ with f/4.5 K. A., $30-$45.
**Special Identification Points:** 1. Small door in front, past which lens protrudes when focused; 2. Screw-in lens mount; 3. Back does not revolve.

### R. B. AUTO GRAFLEX

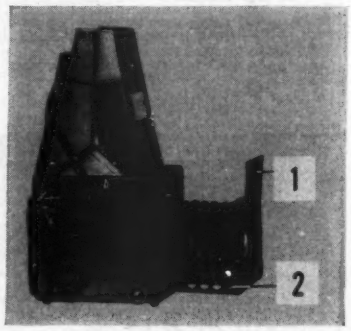
**Film Size:** 3¼ x 4¼, 4 x 5 models.




**Introduced:** 1909 **Discontinued:** 3¼ x 4¼, 1942; 4 x 5, 1940.
**Lens:** Interchangeable. Standard lens: f/4.5 Kodak Anastigmat.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Double extension bellows; revolving back; interchangeable lens boards.
**Last List Price:** With lens: 3¼ x 4¼, $165; 4 x 5, $242.50.
**Used Selling Price:** 4 x 5 with f/4.5 Ektar, $107-$129.
**Special Identification Points:** 1. Front of camera with auxiliary track drops to horizontal position allowing use of double extension bellows.

### R. B. TELE GRAFLEX

**Film Size:** 3¼ x 4¼, 4 x 5 models.
**Introduced:** 3¼ x 4¼, 1915; 4 x 5, 1912 **Discontinued:** 1923.
**Lens:** Interchangeable. Standard lens: f/4.5 B. & L. Tessar or K. A.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Revolving back; interchangeable lens boards.




**Last List Price:** With lens: 3¼ x 4¼, $100; 4 x 5, $116.
**Used Selling Price:** 3¼ x 4¼ with f/4.5 K. A., $30-$59.
**Special Identification Points:** 1. Small door over lens opens automatically; 2. Entire front box assembly moves forward as lens is focused. Note: The R. B. Tele Graflex closely resembles the later Series D Models.

### R. B. SERIES B GRAFLEX

**Film Size:** 2¼ x 3¼, 3¼ x 4¼, 4 x 5 models.
**Introduced:** 1925 **Discontinued:** 2¼ x 3¼, 1951; 3¼ x 4¼, 4 x 5, 1942.
**Lens:** F/4.5 Kodak Anastigmat. Note: Last version of 2¼ x 3¼ model came with f/4.5 Ektar.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Revolving back.
**Last List Price:** With lens: 2¼ x 3¼, $129.50; 3¼ x 4¼, $128; 4 x 5, $146.65.

*(Continued on page 162)*

# Are You Afraid Of The Truth?

**UNIVERSITY CAMERA CORP. employs Camera Technologists who are not afraid to tell you the truth about a product: They don't work on a commission and profit is not their concern: their interest is solely governed by the UNIVERSITY policy of: "*Tell the Truth about a product, it will earn us better customers.*"**

It is a well known fact that UNIVERSITY CAMERA sells factory boxed camera equipment at tremendous discounts: obviously, certain factory boxed equipment is returned for concealed damages during the year (which of course, is not our fault, you'll agree . . . however, we repair or replace it at no charge). We take tally of these products, then we advise our clients not to buy these which are consistently defective.

Certainly, we have consumer research information which you need; it costs you nothing . . . you don't have to buy anything to find out the "truth about a product," and we are not afraid to give it either! May we quote you too?

## All Equipment Below Factory New

### 8mm Movie Projectors

Argus M-300 ..... 64.50
Bauer T10 ..... 138.22
DeJur 750 ..... 112.00
DeJur 1000 ..... 118.00
DeJur 500 ..... 52.00
Keystone Sixty .... 47.20
Keystone K-100 .. 69.21
Kodak Brownie 300. 46.00
Kodak Brownie 500. 56.92
Kodak Showtime .. 89.50
Revere 85D ..... 84.50
Revere 777 ..... 92.50
Showtime Variable. 99.50
K109D w/e ..... 119.68

### 8mm Movie Cameras

Bauer 88E f1.9 .... 122.48
Bauer 88ES ..... 144.22
B & H Electric Eye 390 f2.3 .....
B & H Electric Eye 391 f1.9 .....
B & H Electric Eye 393 Turret f1.8..
B & H 220 .....
B & H 252 TA ....
Bauer 88B f1.9 .... 109.50
Canon 8T f1.8 .....
DeJur Eldorado III. 73.21
DeJur Electra Turret f1.8 ..... 109.00
Keystone f1.8 3-lens Turret Elec. Eye. 93.70
Keystone K 20X w/Meter ..... 32.00
Keystone K 26X, 2.3 Turret & Meter.. 59.20
Kodak Brownie f2.3 24.50
Kodak Brownie f1.9 32.50
Kodak Brownie Turret f2.3 ..... 44.50
Kodak Brownie Turret f1.9 ..... 52.50
Kodak Medalion f1.9 88.50
Kodak Medalion Turret f1.9 .... 118.74
Revere CA-1 ..... 99.50
Revere CA-2 .....
Revere CA-3 .....
Revere CA-4 .....
Revere 64 f1.9 .... 119.50
Sankyo Turret f1.9. 58.50
Wollensak 45-D Turret f1.8 ..... 69.00
Keystone Elec. Eye Turret f1.8, shpd. with one lens only 69.50
Wollensak Elec. Eye Turret .....

### 1⅝ x 1⅝ Cameras

Rolleiflex 4 x 4 ....
Yashica 44 ..... 49.50

### 2¼ x 2¼ Cameras

Agfa 66 Auto f3.5. 195.00
Exakta 66 f2.8 w/e 174.00
Ikoflex Favorit .... 83.00
Kalimar Reflex .... 69.95
Kalloflex ..... 88.50
Mineita Autoserd .. 69.95
Rolleiflex 3.5C ....
Rolleicord VA .... 84.00
Ikoflex IC Novar .. 55.75
Ikoflex IC Tessar .. 66.50
Ikoflex Case ..... 9.82

### Stereo Cameras

Kodak Stereo f3.5.. 66.00
Revere Stereo f3.5.. 128.50
Stereo Realist f3.5. 97.00
Stereo Realist f2.8 . 118.00

### 35mm Cameras

Akarex III f2 Xenon 64.95
Aires 111C f1.9 ... 81.50
Aires 111-L f1.9 ... 69.50
Agfa Ambi-Silette f2.8 ..... 94.75
Agfa Silette-SL f2.8 ..... 72.78
Agfa Super-Silette L f2.8 ..... 72.54
Ansco Memar f3.5.. 30.22
Ansco Super Memar f2 ..... 89.41
Argus Matchmatic C-3 ..... 53.44
Argus C-44 f2.8 ... 89.48
Argus C-44 f1.9 .. 126.41
Asahi-Pentax f2.2.. 136.92
Asahi-Pentax f2 Bietar ..... 136.50
Braun Super III Auto .....
Beauty Canter f1.9. 48.00
Century 35 .....
Contaflex III f2.8 .. 106.00
Contaflex IV f2.8 .. 119.00
Contaflex Alpha .... 78.00
Contaflex Beta .... 91.00
Contax IIA Body .. 128.74
Contax IIA f2 Sonnar ..... 193.50
Contax IIIA Body.. 187.44
Contax IIIA f1.5 Sonnar ..... 223.50
Edixaflex body only 59.50
Edixaflex f2.8 ..... 69.95
Edixa Reflex B f2.8 Auto ..... 129.50
Edixa Reflex C f2.8 Auto Travenar .. 152.24
Edixa Reflex C f1.9 Auto Quinon .... 205.50
Exa Body, Latest .. 48.50
Exa f2.9 pre- ..... 57.50
Exakta VX IIA f1.9 Xenon Auto .... 214.00
Exakta Light Meter IIA w/Auto Xenon imp certif. 299.50
Kodak Pony II .... 20.58
Kodak Pony IV ..... 29.82
Kodak Signet 30 .. 40.28
Kodak Signet 40 w/Flash ..... 39.95
Kodak Signet 50 .. 61.04
Konica III A .....
Lord f2.8 ..... 42.50
Lord f1.9 ..... 69.50
Mamiya Mag. 35 ..
Minolta A ..... 35.97
Minolta A2 f2.8 .... 48.97
Minolta Super A f2. 89.50
Minolta Autowide .. 63.21
Miranda f1.9 pre-set ..... 115.00
Miranda f1.9 Auto Soligor ..... 174.50
Nikon S2 f1.4 ..... 229.50
Nikon S3 .....
Nikon SP Body ...
Nikon SP f1.4 ....
Olympus S2 f2.8 ...
Olympus 35S f1.8 ..
Olympus Wide S f2
Pentacon :2 Biotar. 107.50
Petri f2.8 ..... 36.00
Petri f1.9 ..... 69.95
Petri f1.9 Super .. 52.00
Praktica f1.9 Primoplan ..... 63.22
Praktica FX f2 Biotar Auto ..... 179.95
Retina IIc ..... 79.50
Retina IIIc f2 Xenon ..... 96.00
Retina IIIC w/built-in 35mm, 80mm Fd. ..... 108.00
Retina Reflex f2 ... 132.95
Ricoh 35 ..... 39.95
Ricoh 500 ..... 48.92
Robot Royal f1.9 .. 184.51
Super Ikonta III .. 68.00
Super Ikonta IV .. 99.00
Tanack IV-S f2 Tanar ..... 98.00
Vitessa T f2.8 .... 91.50
Vitessa L f2.8 .... 80.00
Vitessa f3.5 ..... 69.50
Vitessa L f2 ..... 89.50
Welz 35-S f1.9 .... 64.50
Fusica LN f2.8 .... 52.50

### Exposure Meters—Sale

Norwood Super Director ..... 14.25
Sekonic Movie Pet. 3.75
Sekonic L-36 ..... 9.00
Sixtomat X-3 ..... 18.92
Welz Color Meter.. 28.50
Welz Coronet ..... 7.28
Weston DR ..... 11.50
Weston Master III . 23.50
Meter, Import, w/Boost #888 ... 5.95

### Slide Projectors—Sale

Ansco Dualet ..... 29.95
Argus 300 ..... 29.75
Argus 300 Auto ... 45.85
Brumberger Riviera 2¼x2¼.. 45.00
Graflex Constellation 51.00
Keystone K-300 ... 46.75
Keystone K-510 ... 70.92
Kodak Cavalcade .. 107.95
Mansfield 300 Auto w/e ..... 82.75
Realist 620 ..... 29.95
Revere 553 ..... 58.00
Revere 888 ..... 107.70
Revere 888D ..... 114.00
Signet 300 ..... 48.50
Signet 500 ..... 56.50
Viewlex Power-Ma'ic ..... 84.50
Viewlex Project-O-Matic ..... 58.00
Argus 500 ..... 37.70
Keystone 310 ..... 69.95

### Cameras

Mamiya 16 ..... 29.95
Minox IIIS Used .. 89.50
Polaroid 80A .....
Polaroid 95B .....
Polaroid 150 .....
Polaroid 110A .....
Ricoh Golden 16 ...
Speed Graphic 4x5 .

### 16mm Movie Cameras—Sale

Auricon .....
B & H 240 .....
B & H 200 .....
B & H 200 EE ...
B & H 70 DR ....
Kodak K 100 f1.9..220.00
Kodak Sp. II f1.9..
Kodak K-100 Turret f1.9 ..... 248.28
Kodak Royal f1.9 ..142.21
Keystone f2.5 A9 .. 84.50
Keystone Executive f2.5 ..... 98.21
Revere C102 f1.9 ..145.00
Revere C-37 f1.9 ..145.00
Keystone A-12 f1.9 118.70

All Cameras above must be purchased with CASES. Allow between $7-$10. Underage will be billed, overage refunded. XX-write for price quotes.

- F1.9 meter built-in
- Large luminous frame
- Coupled Rangefinder
- 1 sec. to 1/500
- MX, Rapid wind

List 99.50
Special ..... **59.95**
Without meter, List 89.50
Special ..... **48.50**
Case, list ..... 12.50
Special ..... 7.50
(Camera may not be purchased without case)

### Electronic Flash—Sale

Braun Hobby New Model ..... 88.21
Braun Hobby Special ..... 58.22
FR Model 2 ..... 83.00
FR Model 140 ..... 16.95
Hershey 700D ..... 39.95
Mesablitz 100 ..... 35.21
RI 111 ..... 29.95
Ultrablitz Comet .. 36.50
Ultrablitz Rocket WL ..... 62.50
Ultrablitz Supreme 119.50
Add extra for Cord & Bracket ..... 4.00
Holland 64 B ..... 43.95
Cord ..... 1.50
Batteries, spec. ea.. .60
Quick Release & L-Bracket ..... 5.92

### Wollensak #73

Turret Mag w/3 f1.8 lenses. List ..... 149.50
Brand New ..... 79.95
List Special
Kodak 300 w/ Airequipt 74.50 52.50
Kodak w/ Redimatic 64.50 45.50

### New BAUSCH & LOMB

**Pop Free Projectors**

Balomatic 300 ..... $84.50
Special $59.90
Balomatic 500 ..... $149.50
Special $ 99.25
New Metal Clip Trays..$.86 Ea.
Case to hold 20 Trays ..$7.50
Case to hold 9 Trays ..$4.92

### XMAS SPECIAL

**KODAK RETINA REFLEX**
w/F2 XENON With IMPORT CERTIFICATE E.K. Serial #

(Guaranteed by Kodak Everywhere)

List $15.00
Case $15.00
BOTH NEW **152.95**

(Offer good only to Dec. 25th)

Same, without EK serial numbers, one year guarantee $132.50, case $9.25

### AKAREX III

Latest Model New w/F2 Schneider Xenon lens speeds, 1 sec. to 1/500. Synchro Fully interchangeable. Self timer Parallax corrected. Free literature on request.

List 139.50
Special New **64.95**

### WITTNAUER CINE-TWIN

BRAND NEW

World's first 8mm turret camera-projector combination. Converts from camera to projector in 30 seconds. Zoomfinder. Takes and projects movies. Write For Prices.

**179.50**

### 9 Sec Pocket Elevator Tripod

Pan Head swivels all directions gear crank

List $17.95
Special w/ leather case **$9.82**

### BRAND NEW EXAKTA VX IIa

w/Auto F1.9 XENON
Special New **214.50**
w/F2 Auto WESTAGON
Special New **189.50**
Only with PURCHASE OF EXAKTA, 135mm F3.5 Pre-set Elitar Telephoto lens ..... 16.95

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Black Leather Top Original w/Split Image Range Finder For Exakta VX IIa

List $80.00
Special ..... **$32.50**

Kodak Signet 40 w/Flash.
List 65.00.
Special, New ..... **39.92**

### Pop Free Kodak Cavalcade

List 149.50
Special New **107.95**
Case to hold 9 trays Special 4.97
Case to hold 20 trays ..... 8.92
#2 Kodak trays ..... 1.92 ea.

### BRAND NEW 135mm 3.5 Automatic Schneider Xenon Telephoto Lens for EXAKTA

List $149.50
Special Brand New ..... **99.50**

Praktina F2 Auto-Biotar, Pent, regist.
List 297.50
NEW **189.50**

### KODAK MOVIE FILM SALE

**Kodachrome and 35mm (+ Mounting) including processing.**

| | Our Price |
|---|---|
| 20 Exp. | $2.49 |
| 36 Exp. | 3.67 |
| 8mm Roll | 2.75 |
| 8mm Mag. | 3.54 |
| 16mm Roll | 7.70 |
| 16mm Mag. | 5.20 |
| 8mm Bolex | 9.60 |

Fresh Kodak 1 year dating, you mail it, Kodak processor returns your film to your own Mail Box at no charge. Minimum order 3.

Fresh Kodacolor 135mm 20 Exposure ..... 1.49 ea.

### AIREQUIPT MAGS 1.44 ea.

Other Trays ..... Ea. 28c
(Except, B&L, Kod., Rev., Lab.)

| | Our Price |
|---|---|
| Trays for Revere Automatic Proj. | 48c |
| Case (holds 30 Airequipt mags) | 7.49 |
| Case (holds 12 Airequipt mags) | 4.49 |
| Case (holds 12 Revere mags) | 4.90 |
| Case (holds 30-6" La Belle trays) | 7.95 |
| Case (holds 24 trays for Revere, TDC, Airequipt, Viewlex) | 7.49 |

### BIG DISCOUNTS NEW LENSES

| | List | Special New |
|---|---|---|
| 35mm Steinheil Quinaron F2.8, fully automatic, focus to 8", Exact mt. | 149.50 | 109.70 |
| 35mm Travegon F3.5 automatic for Exakta | 99.50 | 89.70 |
| 135mm Travenon F4.5 for Exakta, Pratik. Pent. Hex. | 49.50 | 29.70 |
| 135mm Travenar F3.5 for Leica M3 or Leica mts. | 89.95 | 93.70 |
| Cases (for Autom.).. | | 6.95 |
| Cases for others.... | | 3.95 |
| Elitar 135mm Pre-set F3.5 for Exacta.. | 69.50 | 21.95 |
| 35mm F3.5 for Leica, Canon | 89.50 | 44.00 |
| 35mm F3.5 w/a for Exakta, Penta, Prakt. | 79.50 | 42.04 |
| CONTAX IIa, IIIa, NIKON Lenses, New | | |
| 135mm F3.5 Tele.. | 79.50 | 42.50 |
| 135mm Finders .. | 9.95 | 2.95 |
| 35mm F3.5 w/a... | 79.50 | 42.50 |
| Cases | 6.95 | 3.95 |

### ZOOM FINDER

For Leica—Contax—Nikon—Canon. Exact field of view for all lenses from 28mm to 135mm—click stops—complete parallax correction.

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w/3 f/1.9 lenses
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Special ..... **79.95**
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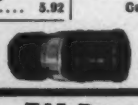
### BRAND-NEW FOR LEICA FANS



135mm f/3.5 Telephoto lens, Rangefinder. Coupled. Made in Germany.

Same for Leica M-3 ..... 44.50

List 79.50
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### Tripods On Special & Brand New

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|---|---|---|
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| Quickset Champ II | 34.00 | 22.93 |
| DELUXE TRIPOD CASE | 5.95 | 2.95 |
| Star D Cont Mark III | 25.95 | 16.75 |
| Quickset Husky II | 47.00 | 31.90 |

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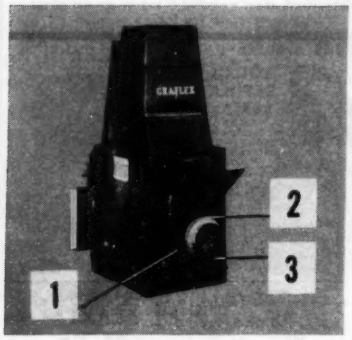
## BUYING GUIDE

*(Continued from page 160)*

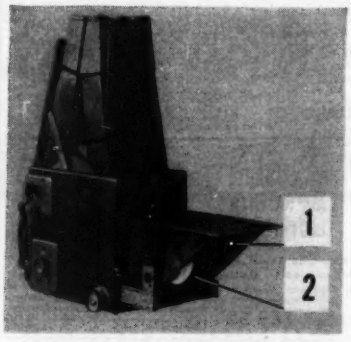
**Used Selling Price:** 3¼ x 4¼ with f/4.5 K. A., $45-$70.




**Special Identification Points:** 1. When focused, lens protrudes past door opening; 2. Lens screws into mount; 3. No removable lens board.

### R. B. SERIES C GRAFLEX

**Film Size:** 3¼ x 4¼ only.
**Introduced:** 1926 **Discontinued:** 1935
**Lens:** Non-interchangeable 6½-in. f/2.5 Cooke.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Large aperture lens; built-in lens shade; revolving back.
**Last List Price:** With lens, $208.
**Used Selling Price:** With f/3.5 Tessar, $70-$97.



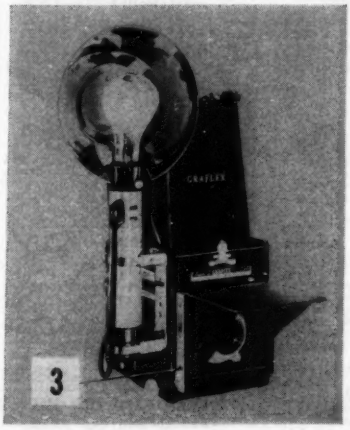

**Special Identification Points:** 1. Large front door with side wings opens automatically as lens is focused; 2. Non-interchangeable lens.

### R. B. SERIES D GRAFLEX

**Film Size:** 3¼ x 4¼, 4 x 5 models.
**Introduced:** 1928 **Discontinued:** 3¼ x 4¼, 1941; 4 x 5, 1945.
**Lens:** Interchangeable. Standard lens: f/4.5 K. A., or lens of similar speed.
**Shutter Speeds:** 1/10-1/1000, T.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Interchangeable lens boards; revolving back; built-in lens shade.
**Last List Price:** With lens: 3¼ x 4¼, $138; 4 x 5, $176.
**Used Selling Price:** 3¼ x 4¼ with f/4.5 Tessar, $60-$85.
**Special Identification Points:** 1. Large front door with side wings opens automatically as lens is focused; 2. Interchangeable lens boards.

### R. B. SUPER D GRAFLEX

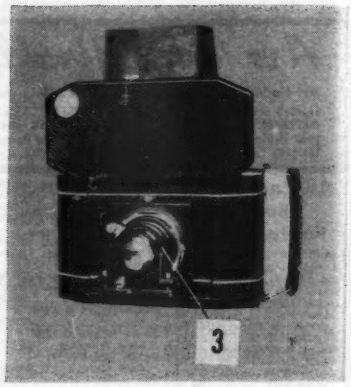
**Film Size:** 3¼ x 4¼, 4 x 5 models.
**Introduced:** 3¼ x 4¼, 1941 (current model); 4 x 5, 1948 (discontinued 1958).
**Lens:** Interchangeable. Standard lens (w/auto. diaphragm): 3¼ x 4¼, 152mm f/4.5 Ektar; 4 x 5, 190mm f/5.6 Ektar or Optar.




**Shutter Speeds:** 1/30-1/1000, T and approx. 1/5 sec.
**Flash Sync:** Earlier 3¼ x 4¼ model has open flash sync only. Later versions have "drop curtain" X sync; also for FP bulbs at high shutter speeds.
**Special Features:** Fully automatic diaphragm; first surface mirror; Ektalite Field lens (added in August, 1949); revolving back.
**Last List Price:** With lens: 3¼ x 4¼, $335; 4 x 5, $335.
**Used Selling Price:** 4 x 5 with f/5.6 Ektar, $150-$184.
**Special Identification Points:** 1. Early 3¼ x 4¼ model has flash contact in center of left side of camera; 2. Later models have 2-post ASA connector on right side near shutter wind key; 3. Supplied in chrome trim; 4. Release for automatic diaphragm.

### NATIONAL GRAFLEX

**Note:** Available in Series I and II.
**Film Size:** Ten 2⅛ x 2½ pictures on 120 roll.




**Introduced:** Series I, 1933; Series II, 1934. **Discontinued:** Series I, 1935; Series II, 1941.
**Lens:** Series I: Non-interchangeable, 75mm f/3.5 B. & L. Tessar; Series II: 75mm f/3.5 Tessar; accepts 140mm f/6.3 B. & L.
**Shutter Speeds:** 1/30-1/500, B.
**Flash Sync:** See note, beginning of Graflex section.
**Special Features:** Compact size; built-in magnifier; built-in exposure guide in cover; automatic film spacing.
**Last List Price:** With 75mm f/3.5 lens: Series I, $72.50; Series II, $97.75.
**Used Selling Price:** Series I: $21-$40; Series II, $30-$44.
**Special Identification Points:** 1. Series I has mirror set lever at right of focusing hood; 2. Series II has mirror set lever at left of focusing hood; 3. Series II accepts telephoto lens; 4. Series II has built-in slide for ruby film window.

## GRAPHIC

**Manufacturer:** Graflex, Inc., 3750 Monroe Ave., Rochester 3, N.Y.
**Film:** All models use sheet film, plates or film pack. Models with Graflex or Graflok backs can also be used with roll film, by means of an accessory roll holder.
**Lens:** All models have interchangeable lens boards. Standard lenses include Kodak Anastigmat and Ektar, Graflex Optar, Bausch & Lomb Tessar or Zeiss Tessar. Lenses come in various focal lengths, in barrel mounts or with between-the-lens shutters.
**Shutter:** All Speed Graphic models listed have focal-plane shutter. Pacemaker has speeds 1/30-1/1000, T; others have 1/10-1/1000, T. Crown, Super 45 and Century Graphics have front shutter only.
**Flash Sync:** Only Miniature and Pacemaker Speed Graphics have factory installed sync for the focal-plane shutter. Unless there is compelling reason

*(Continued on page 164)*

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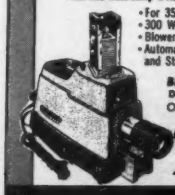
**Slide Projector**
With 300-Watt Lamp & Automatic Changer!



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- f1.6 Coated Lens
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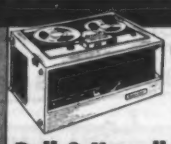

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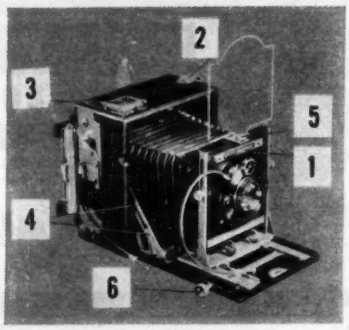
## BUYING GUIDE

*(Continued from page 162)*

to do so, it is inadvisable and unnecessary to add sync to the focal-plane shutter. Front shutters of Graphics may be non-sync or have Types 1, 2, 3, 5 or combination of any of these (see *page BG-7* for details).

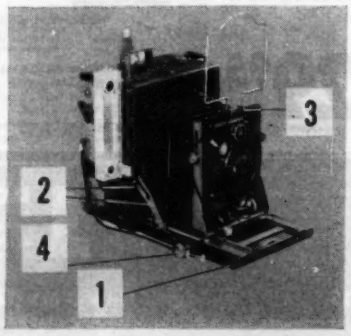
### 4 x 5 SPEED GRAPHIC (1928)




**Introduced:** 1928 **Discontinued:** 1939
**Standard Lens:** 5¼, 6 or 6½ in.
**Flash Sync:** See note, beginning of Graphic section.
**Special Features:** Double Extension bellows; interchangeable film holders; two viewfinders; 4 x 4-in. lens boards; came with Graphic or Graflex back; provision for use of rangefinder or flash outfit.
**Last List Price:** With K. A., Compur, $125.
**Used Selling Price:** With f/4.7 Ektar, $78-$105.
**Special Identification Points:** 1. First 4 x 5 Speed Graphic model with 4 x 4-in. lens board; 2. First 4 x 5 Speed Graphic model with handle on side; 3. Version supplied before 1939 had folding Graphic finder; version supplied in 1939 came with tubular type finder; 4. Came only in all black finish with metal parts finished in gray; 5. Folding front finder; 6. Came only with single focusing knob.

### 3¼ x 4¼ SPEED GRAPHIC (1935)

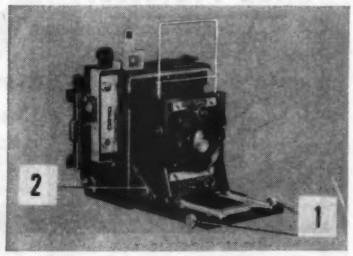
**Introduced:** 1935 **Discontinued:** 1939
**Standard Lens:** 5¼ or 5½ in.




**Flash Sync:** See note, beginning of Graphic section.
**Special Features:** Same as 1928 version of 4 x 5 Speed Graphic, but had 3¼ x 3¼-in. lens board, instead of 4 x 4-in.
**Last List Price:** With K. A., Compur, $125.
**Used Selling Price:** With rangefinder and f/4.5 Tessar, $65-$89.
**Special Identification Points:** 1. Was supplied only with wood front bed; 2. Came only in all black finish with metal parts finished in gray; 3. Folding front frame finder; 4. Came only with single focusing knob.

### ANNIVERSARY SPEED GRAPHIC

**Film Size:** 3¼ x 4¼, 4 x 5 models.
**Introduced:** 1940 **Discontinued:** 1947
**Standard Lens:** 3¼ x 4¼ model: 5, 5¼ or 5½-in.; 4 x 5 model: 5, 5¼, 6 or 6½-in.
**Flash Sync:** See note, beginning of Speed Graphic section.
**Special Features:** Double extension bellows; interchangeable film holders; came with Graphic or Graflex back




(Graflok back is not available as accessory); drop bed; linked focusing track; dual focusing knobs; provision for attaching rangefinder or flash.
**Last List Price:** Either model, $176 to $191, depending on lens.
**Used Selling Price:** 4 x 5 with f/4.5 Xenar, $80-$110.
**Special Identification Points:** 1. Differentiated from previous models by having dual focusing knobs; 2. has bright finish metal parts (version supplied during World War II has dull finish).

### PACEMAKER SPEED GRAPHIC

**Film Size:** 2¼ x 3¼ ("23"), 3¼ x 4¼ ("34"), 4 x 5 ("45").
**Introduced:** 1947 (current model).
**Standard Lens:** "23," 101mm; "34," 127 or 152mm; "45," 135 or 162mm.
**Flash Sync:** Focal-plane shutter has built-in sync for FP bulbs at high shutter speeds. Front shutter—see note, beginning of Speed Graphic section.
**Special Features:** Rising, tilting, shifting front; body release for front and back shutters; parallax correction for both optical and frame finders; folding

*(Continued on page 166)*

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| Aires III-L f1.9.... | |
| Aires V f1.5 ..... | |
| Agfa Ambi-Silette f2.8 ..... | |
| Agfa Silette-SL f2.8 ..... | |
| Agfa Super-Silette L f2.8 ..... | |
| Asahi Pentax K f1.8 Takumar ..... | |
| Ansco Memar f3.5 | 31.00 |
| Ansco Super Memar f3.5..... | 55.50 |
| Ansco Super Memar f2 ..... | 93.50 |
| Argus Matchmatic C-3. Case, Flash | 53.50 |
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| Argus V100 f2 .... | 105.00 |
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| Canon VT Deluxe f1.2 Canon ..... | ● |
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| Contina III f2.8... | 59.00 |
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| Revere Stereo f3.5 | 129.00 |
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| Stereo Realist f2.8 | 119.50 |
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| Edixa Reflex f2.8 | 49.50 |
| Exakta 66 f2.8 .... | 195.00 |
| Ikoflex Favorit.... | ● |
| Ikoflex Ib ..... | 74.50 |
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| Kalloflex ..... | 89.50 |
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| Praktisix f2.8 ..... | ● |
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| Turret f1.9 ..... | 251.00 |
| Kodak Royal f1.9 | 143.00 |
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| Keystone Crit. f2.5 | 85.00 |
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| Revere C-37 f1.9.. | 146.00 |
| Bell & Howell 273 | ● |
| Bell & Howell Diplomat | ● |
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| Keystone Belmont | 129.50 |
| Kodascope Royal.. | 220.00 |
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| 35mm f3.5 | 79.00 | 105mm f2.5 | 128.00 | 150mm f4.5 | 51.00 |
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| 28mm f5.6 | 85.00 | 100mm f2.8 | 49.00 | 180mm f5.5 | 59.00 |
| 35mm f3.5 | 48.00 | 105mm f2.5 | 128.00 | 200mm f3.5 | 165.00 |
| 50mm f2.8 | 51.00 | 125mm f4.5 | 83.00 | 240mm f5.5 | 78.00 |
| 60mm f1.2 | 299.00 | 125mm f2.5 | 199.00 | 250mm f5.5 | 85.00 |
| 85mm f2.8 | 57.50 | 135mm f4.5 | 38.00 | 300mm f5.6 | 142.00 |
| 400mm f5.5 | 133.00 | | | | |
| 500mm f4 | 434.00 | | | | |
| 640mm f9 | 112.00 | | | | |
| 800mm f8 | 307.00 | | | | |

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| 35mm f2.5 | 55.00 | 83mm f1.9 | 98.00 | 150mm f5.5 | 41.00 |
| 35mm f3.5 | 44.50 | 85mm f2.8 | 52.00 | 180mm f5.5 | 59.00 |
| 35mm f4.5 | 37.00 | 90mm f3.5 | 55.00 | 200mm f5.5 | 74.00 |
| 40mm f3.5 | 40.00 | 100mm f4.5 | 33.00 | 240mm f4.5 | 107.00 |
| 50mm f3.5 | 41.00 | 105mm f3.5 | 33.00 | 250mm f5.5 | 85.00 |
| 55mm f2.2 | 49.00 | 125mm f2.5 | 125.00 | 300mm f5 | 156.00 |
| 75mm f1.5 | 182.00 | 135mm f3.5 | 49.50 | 400mm f5.5 | 133.00 |
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| 800mm f6 | 362.00 | | | | |
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| 35mm f4.5 | 37.00 | 80mm f3.5 | 52.00 | 150mm f5.5 | 41.00 |
| 35mm f3.5 | 44.50 | 85mm f2.8 | 59.00 | 180mm f5.5 | 59.00 |
| 35mm f2.5 | 95.00 | 90mm f3.5 | 58.00 | 200mm f5.5 | 74.00 |
| 40mm f4.5 | 41.00 | 100mm f2.8 | 49.00 | 240mm f5.5 | 81.00 |
| 50mm f3.5 | 41.00 | 105mm f3.5 | 33.00 | 250mm f5.5 | 85.00 |
| 55mm f1.9 | 127.00 | 125mm f2.5 | 125.00 | 300mm f4.5 | 148.00 |
| 58mm f2 | 119.00 | 135mm f3.5 | 49.50 | 360mm f5.5 | 142.00 |
| 400mm f5.5 | 133.00 | | | | |
| 500mm f5 | 296.00 | | | | |
| 600mm f5 | 543.00 | | | | |
| 640mm f9 | 112.00 | | | | |
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| 1000mm f6.3 | 625.00 | | | | |
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**HERSHEY "700"**
Professional results with four 20c batteries. less batteries
**$34.95**

**HERSHEY "700 DELUXE"**
Half-power switch for high speed films. less batteries
**$69.95**

**HERSHEY "240"**
Extra-light power pack fits in pocket. less batteries
**$89.50**

**ASK TO SEE HERSHEY AT YOUR DEALER . . .**
or write today for name of nearest dealer and free literature.

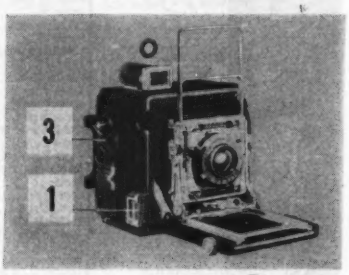
HERSHEY MANUFACTURING CO.
4301 West Lake Street • Chicago 24, Illinois
TELEPHONE MAnsfield 6-2612


## BUYING GUIDE

*(Continued from page 164)*

infinity stops; adjustable handle strap. Other features same as Anniversary model. Note: Current "34" and "45" Pacemaker models have Ektalite field lens. All current Pacemaker models come with Graphic, Graflex or Graflok back.

**Note:** Latest 4 x 5 version, introduced in January 1955, has flexible frame front finder and parallax adjustment on rear peepsight. It is also available



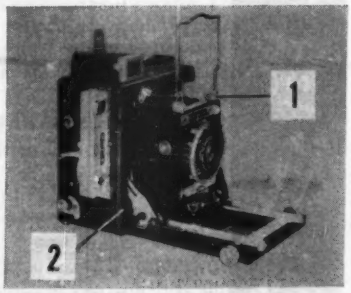

with Graphic Multi-Cam rangefinder including built-in beam focusing device and new optical viewfinder with automatic parallax correction.

**Last List Price:** With lens, less rangefinder: "23," from $293.25; "34," from $292.50; "45," from $292.50.

**Used Selling Price:** "23" with rangefinder and f/4.5 Ektar, $135-$160; "34" with rangefinder and f/4.7 Optar, $125-$146; "45" with rangefinder and f/4.7 Optar, $145-$185.

**Special Identification Points:** 1. Only Speed Graphic model with body release for both focal-plane and front shutters; 2. After May 1951, "34" and "45" models were supplied with Ektalite field lens; 3. Version supplied before July 1950, came only with Graphic or Graflex back; version supplied after July, 1950, has Graphic, Graflex or Graflok back.

### MINIATURE SPEED GRAPHIC




**Film Size:** 2¼ x 3¼ only.
**Introduced:** 1938 **Discontinued:** 1947
**Standard Lens:** 4-in.
**Flash Sync:** Focal-plane shutter has built-in sync for FP bulbs. Front shutter: see note, beginning of Speed Graphic section.

*(Continued on page 168)*

# Buy Surplus DIRECT FROM AIR PHOTO FANTASTIC FILM & PAPER BARGAINS!

## 8x10 SALTZMAN PRECISION ENLARGER

Complete with Coldlite fluorescent lamps and 8 x 10 negative holder. Heavy duty construction; precision engineered.

Gov't cost over $2000.00. **995.00**

Crating, Shipping extra

## Genuine Centerpole TRIPOD

Manufacturer's List 19.95

Terrific value. BUY NOW. Adjustable centerpole eliminates separate leg adjustments. Extends to 55" closes down to 25". Reversible head for worm's eye view shots (see illust). Supply Limited!

BRAND NEW **6.95**

85c shipping

BRAND-NEW IMPORTED SPECIAL

## 4x5 FAMOUS MAKE DOUBLE CONDENSER ENLARGER

Takes film sizes from 35mm to 4 x 5. All metal enlarger with focusing light, rack & pinion focusing, thermal draft cooling.

BRAND NEW **54.95** Shipped express

5¼ f4.5 enlarging lens ..... 14.95

## 12" f4.5 ZEISS TESSAR

Coated. in Brand new ALPHAX MX SYNCHRO shutter. Never before has this lens been offered at such a low price. Ideal for studies etc. Gov't surplus.

Used **144.50**

1.50 post & handling

## K-20 AERIAL CAMERA

6⅜" f4.5 LENS

Full range of shutter speeds to 1/500. Rapid sequence pix on 4 x 5 negative. Hand held manual operation. Case 5.95

Gov't surplus Used **69.50** Shpd express

## MOVIE SCREENS

Opal beads on tough rubberized surface. Tripod base. (Hammerloid roll-a-way case)

30 x 40 BRAND NEW **6.95** Shipped Express

40 x 40 ..... 8.95
37 x 50 ..... 10.95
50 x 50 ..... 12.95

## 9⅜ x 200 ft. AERO ENLARGING

Warehouse Clearance of amazing enlarging paper. Aero enlarging is single weight, semi-matte grade 1, 2, 3, 4 (specify) Cut 240 8x10's per roll. Worth $30.00 when cut. Three for $12.95. Ship 10 lbs. each.

EACH **4.89**

9⅜x500' VARALOID eliminating necessity of stocking several grades. Cut 480 sheets per roll. Single weight, semi-matte. ..... 10.50
Ship. wt. 18 lbs. each.

## 35mm BLACK & WHITE FILM

Guaranteed 'til August 1959

35mm x 100 ft. Kodak Plus-X
35mm x 100 ft. Super-XX
35mm x 100 ft. Infra-Red
35mm x 100 ft. Ansco-Supreme
35mm x 100 ft. Ultra-Speed
Any 3 7.47

**2.49**

35mm x 100 ft. Tri-X ..... 2.79
35mm x 200 ft. Super-XX ..... 4.25
35mm x 200 ft. Shelburst-Pan .. 2.55
35mm x 200 ft. Background-X .. 2.55
35mm x 400 ft. Ansco-Supreme .. 7.95

Add post & handling

## VARIGAM PAPER

| | | |
|---|---|---|
| 4x 5 Single weight semi-matte | 250 | 2.95 |
| 8x10 Single weight semi-matte | 100 | 3.95 |
| 8x10 Single weight glossy | 100 | 4.50 |
| 10x10 Single weight semi-matte | 250 | 9.50 |
| 11x14 Single weight glossy | 50 | 3.85 |
| 20x24 Single weight semi-matte | 30 | 7.50 |

Add post & handling

## CONTACT PAPER

| | | |
|---|---|---|
| 35mm x 100 Convira Single weight glossy 2 | | 3 for 2.25 |
| 4x 5 Single weight glossy 2, 3, 4, 5 | | gross 4.95 |
| 8x10 Single weight semi-matte, 1, 2, 3, 4 | 100 | 1.75 |
| 10x10 Ad Type AS | 250 | 2.00 |
| 10x10 Double weight semi-gloss, 2, 3 | | gross 3.25 |
| 18x22 Light weight semi-matte 1, 2, 3, 5 | 50 | 3.25 |
| 20x30 ft. Ad type 2 per roll | | 4.95 |

Add post & handling.

## FAMOUS PORTRAYA PAPER

This is the famous WARM TONE SINGLE CONTRAST (Opal G type) PORTRAIT DOUBLE WEIGHT egg still GG white lustre enlarging paper, used by many professionals for their most exacting work. This paper is F-R-E-S-H not surplus or outdated.
Manufacturer's (HALOID) seconds (even experts couldn't tell).
August 1959 date.
8x10 PORTRAYA GG Double Weight—500 sheets 35.95 ....100 sheets
11x14 PORTRAYA GG Double Weight—250 sheets 33.95 ....50 sheets
Add post & handling

**7.49**

**7.20**

## 5" f4.5 ENL'GING LENS

Made for U. S. Gov't. by famous British manufacturer's. Gives true flat field. Diaphragm in brass barrel stops to f32.

Gov't surplus **9.95**

45c post & handing

## 36"(900mm) f6.3 lens

Famous Dallmeyer Big Berths. Adapt to almost all cameras with iris diaphragm.

Gov't Surplus. **99.95** Shpd express

40" (1000mm) f8 TELE (G & L) NEW. Govn't Surplus ..... 149.50

## 4 x 6 VARALOID

Extra fast, double weight semi-matte warm tone. Single Contrast used by professional photographers for proofs (Varigam type). Uses exactly the same filters and safelights as Varigam.

| | | |
|---|---|---|
| 4x 6 Single Weight semi-matte | 250 sheets | |
| 8x10 Double Weight egg shell white lustre | 100 sheets | 5.25 |
| | 250 sheets | 24.95 |
| 8x10 Varaloid Double Weight egg shell white lustre GG surface | 100 sheets | 4.99 |
| | 250 sheets | 11.75 |

Add post & handling

**4.95**

## 8 x 10 HALOBROME

Single Weight glossy Contrast 2 x 3 — 100 sheets

SPECIAL Contrast F 1 ..... 100 sheets 3.45
EXTRA SPECIAL 8x10 Single Weight Glossy Ortho (same as above) but requires red instead of orange safelite Contrast F3, F4 ..... 100 sheets 3.45

Add post & handling

**4.79**

## ENLARGING PAPER

8x10 single weight glossy, Grades 1, 2, 3, 4, ADD POST AND INSURANCE ..... 100 sheets **4.49**

| SIZE | TYPE | CONTRAST | QUANTITY | PRICE |
|---|---|---|---|---|
| 8x10 | Single weight semi-matte | 2 | 100 | 3.45 |
| 11x14 | Double glossy | 1, 2, 3, 4 | 50 | 5.75 |
| 11x14 | Single weight semi-matte | 2 | 50 | 5.75 |
| 12x18 | Single weight glossy | F1 | 50 | 6.25 |
| 20x24 | Single weight semi-matte | 1 | 50 | 9.85 |
| 24x30 | Single weight semi-matte | 1 | 50 | 14.75 |

Add post & handling

## 8 & 16mm MOVIE FILM

8mm FREE PROCESSING

Guaranteed good black 'n white film. Minimum order five for 4.95. plus 45c post and handling

**99c** per roll

| SIZE | TYPE | 5 FOR | 10 FOR |
|---|---|---|---|
| 16mm x 100 ft. | Ansco Hypan | 11.75 ea | 23.50 |
| 16mm x 50 ft mag | Ansco Hypan | 11.25 ea | 22.50 |
| 16mm x 100 ft | Kodachrome | 6.95 each | for 19.50 |

Prices F.O.B. add postage

## 36 EXPOSURE ANSCO COLOR

35mm daylight or tungsten reloads. Minimum order 5 for 4.95 plus 45c postage and handling.

**99c** each

## 35mm x 36 DUPONT SUPERIOR #4

ASA-320-Tungsten 250! Fastest black & white film ever! Shoot a black cat in a coal mine. Take pictures where you never could before. Fresh Film, not Surplus or outdated!

**2.25** 3 for

Minimum order 6 for 4.48. 45c post & handling

## WAREHOUSE FILM SPECIALS

120 & 620 ROLLFILM — 10 for **2.29** plus 45c post

Bargain priced Super XX film 20 for 4.45

## FILMPACK

2¼x3¼ Kodak Plus X or Super XX ....each **99c**

3 for 2.95 plus 35c post

## KODAK NO. 12 PRINTER

12 x 15

For negative to 11x14 Transcarent platen, pads ensure absolute contact—permit full dodging control during exposure. Powerful 1000 watt light source instantly adjusts for distance to negative. Masking bands. pilot light, etc. Reconditioned in excellent condition.

**198.50**

10.00 crating. Shpd. express

## 4 x 5 ANSCO COLOR

Daylight or Tungsten, Guaranteed good film

| | | |
|---|---|---|
| 30 sheets | 4.95, 45c post & handling | 10 sheets |
| 50 sheets | 8.25 55c post & handling | |

**1.95**

| | | |
|---|---|---|
| 4x 5 TRI-S ORTHO | 100 | 3.75 |
| 5x 7 SUPER HYPAN PRESS | 50 | 4.95 |
| 8x10 ANSCO COLOR | 20 | 7.90 |
| 14x70 MATRIX | 12 | 4.80 |
| 20x24 ANSCO REPROLITH | 25 | 19.75 |

Prices F.O.B. add post.

**POLICY:** Items advertised are from surplus. Film and paper outdated, from Gov't surplus and may be recut and respooled by us for professional and amateur needs. All film and paper is equal to fresh and is guaranteed by us until August 1959. Minimum order 5.00. No COD's less than 20.00. C.O.D.'s with 25% deposit. Prices FOB New York. Item subject prior sale.

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SLIDES
From any size photo or negative
6¢ per frame from complete 35mm roll unmounted.
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NOW! See your favorite snapshot on the screen!
DUPLICATING 35mm COLOR SLIDES
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MOUNTED COLOR SLIDES from COLORED PICTURES . . $1.50 ea.
Specify cardboard mounts or film strips.
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Learn PHOTOGRAPHY at Home
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Prepare in spare time. Practical basic training. Long-established school. Send for free booklet, "Opportunities in Modern Photography" and particulars. Sent postage prepaid. No obligation.
AMERICAN SCHOOL OF PHOTOGRAPHY
835 Diversey Pkwy., Dept. 1949, Chicago 14, Ill.

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EKTACHROME, ANSCO & ANSCO CHROME PROCESSING
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national camera repair school mP12

## BUYING GUIDE

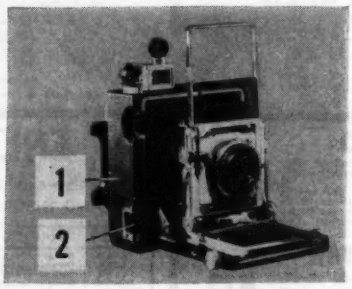
*(Continued from page 166)*

**Special Features:** Double extension bellows; interchangeable holders; came with Graphic or Graflex back; dual focusing knobs; factory installed sync in focal-plane shutter.
**Last List Price:** From $120, depending on lens.
**Used Selling Price:** With f/4.5 Ektar, $65-$105.
**Special Identification Points:** 1. Folding instead of retracting frame finder as in Pacemaker "23"; 2. No body shutter release.

**Note:** ***The following Graphic Cameras do not have focal-plane shutters.***

### PACEMAKER CROWN GRAPHIC

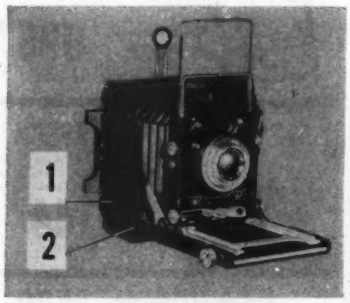
**Note:** This camera is similar throughout to the Pacemaker Speed Graphic except that it does not have a focal-plane shutter.
**Film Size:** 2¼ x 3¼, 3¼ x 4¼, 4 x 5 models.
**Note:** From 1955 on, available (in "45" model only) at extra cost with built-in rangefinder which couples (by means of interchangeable cams) with a wide range of lenses.
**Introduced:** 1947 (current model).




**Flash Sync:** Depends on front shutter installed. See note, beginning of Speed Graphic section.
**Last List Price:** W/lens, less r.f.: "23," from $256.15; "34," from $260; "45," from $260. W/lens and r.f.: "45," from $299.95.
**Used Selling Price:** With r.f.; "23," with f/4.5 Ektar, $135-$170; "34," with f/4.7 Ektar, $130-$165; "45," with f/4.7 Ektar, $150-$185.
**Special Identification Points:** 1. No focal-plane shutter; 2. Body shutter release.

### CENTURY GRAPHIC (2¼ x 3¼)

**Introduced:** 1949 (current model).
**Standard Lens:** 101, 103 or 105mm.
**Flash Sync:** Depends on front shutter. Early Century shutters had sync for Class F (SM, SF) bulbs 1/50-1/200; M up to 1/25; later versions, X sync.
**Special Features:** Double extension bellows, drop bed, interchangeable lens board; rising, tilting, shifting front; Graflok back with removable focusing panel; dual focusing knobs; folding infinity stops; adjustable handle; provision for attaching rangefinder, flash or optical finder.
**Last List Price:** With Graftar lens, $137.95.
**Used Selling Price:** $64-$87.



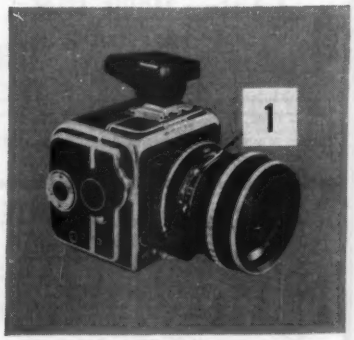

**Special Identification Points:** 1. No focal-plane shutter; 2. No body shutter release.

## HASSELBLAD

**Manufacturer:** Victor Hasselblad Aktieboleg, Goteborg, Sweden.
**Importer:** Paillard Inc., 100 Sixth Ave., New York 13, N.Y.
**Film Size:** 12 pictures 2¼ x 2¼ using 120 roll film. Also takes 16 pictures 1⅝ x 2¼ using accessory film magazine. 6.5 x 6.5cm sheet film can be used with accessory adapter back.

### HASSELBLAD SUPERWIDE

**Introduced:** 1956 (current model).
**Film Size:** 12 pictures 2¼ x 2¼ using 120 roll film.
**Lens:** 38mm f/4.5 Biogon wide-angle with 90° angle of view.
**Shutter:** Synchro-Compur, 1-1/500, B.
**Flash Sync:** MX.




**Special Features:** Interchangeable film magazines; double exposure prevention; body shutter release; built-in depth of field scale; film speed indicator; built-in spirit level, infrared

*(Continued on page 172)*

ON THOSE ARTICLES NOT LISTED
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## Soligor 135mm F3.5 pre-set Telephoto lens for EXACTAS

list 49.50 **Special New 21.75**

Case .....4.92

| | List | |
|---|---|---|
| 4x5 Case, Graphic | 26.00 | 19.58 |
| 10" Tele-Optar F5.6 X shutter | 169.00 | 129.84 |
| Graphic 23 roll Holder | 24.95 | 19.82 |
| Graphic Graphmatic | 26.95 | 19.92 |
| Graphic 22 Holder | 24.95 | 19.82 |
| 4x5 Riteway holders | 4.95 | 3.89 |
| 15" Tele-Optar, F5.6, Shutter | 227.50 | 189.88 |
| Kaile Flex Automatic w/case | 132.50 | 89.50 |
| Graflex Century 35mm F3.5 w/case w/flash | 64.50 | 44.50 |
| Same w/F2.8 Lens complete | | 54.50 |
| For 4x5 Poloroid Back | 83.50 | 62.50 |
| Focusing Panel Graflec | 13.95 | 11.80 |
| 4x5 Graflarger | 30.75 | 29.98 |
| Graflarger Stand 4x5 | 21.75 | 15.98 |
| Graflarger Baseboard | 12.75 | 10.92 |
| 90mm Wide Angle Optar F6.8 | 106.65 | 84.50 |

| | List | Sale New |
|---|---|---|
| FR 140 | 29.95 | 18.92 |
| Ultra. Sup. | 199.50 | 119.00 |
| FR Flash II | 55.75 | 31.00 |
| Ultra. Comet | 54.95 | 34.95 |
| Comet recharging cord | | 1.50 |

## EXPOSURE METER

w/Booster cell LVS, including case.
Polaroid Scales
List 12.95
**$5.95** complete **Brand New**
Clip on type
No Booster $4.95

## ZOOM FINDER

For Leica—Contax—Nikon—Canon, Exact field of view for all lenses from 28mm to 135mm—click stops—complete parallax correction.
Reg. $35.50 New **$14.92**
Complete with leather case

GRAFLEX CONSTELLATION electric model—500 watt for 2 x 2 slides—4" f/3.5 lens—blower cooled—automatic, electric changer provides remote operation w/Remote control cord $89.95.
Special **63.82**
Case .....8.95

## KEYSTONE PROJECTORS

| New | List | Sale |
|---|---|---|
| K60, 300W, Magna lens | 64.95 | 44.95 |
| K100, 750 W | 99.95 | 72.24 |
| K105, 750 W | 149.95 | 103.22 |
| K109 | 174.50 | 120.15 |
| K161, 16mm Proj. | 179.50 | 122.15 |

## Self-Loading Developing Tank

Bayonet lock for different adjustments. Agitating rod jamproof. 8 oz. for 35mm tank with spare reel .....
**$2.95**
Shpg. Wt. 2 lbs.
Adj. for 35mm, 828, 127, 120, 620, 116, 616. $3.40

## Norwood Super Director

Special New
**$14.49** w/case

## 6" Telephoto F1.9 for 8mm cameras

Revere, Dejur, Keystone: (will not fit turrets, too large)
List 69.95
Special New **34.95**
3" F1.9 for 16mm Cameras Special ...28.95

| SALE | |
|---|---|
| Quick-Set Elevator Champ II | 22.80 |
| Quick-Set Elevator Husky II | 33.98 |
| Quick-Set Elevator Hi-Boy II | 38.98 |
| Champ case, our own | 2.82 |

## ASAHI PENTAX

Latest Model Brand New w/F2 Bietar Carl Zeiss Pre-set
Our price New **$139.50**
Body Alone .....$ 94.50
w/F1.8 Automatic Lens. List $249.50 Special $189.50
Case .....$ 11.92

Wide Angle F3.5 35mm AUTOMATIC SCHACT Travenon For Exacta
List $99.50 New **$57.24**
Case .....$5.93
Special Telephoto 135mm F3.5 pre-set For Exacta Only.....$22.50 New
Steinheil Quinaron 35mm Autom. F2.8, Foc. to 8" List $140.50 Spec. $109.70

## AKAREX III

Latest Model New w/F2 Schneider Xenon lens speeds, 1 sec. to 1/500. Synchro Fully interchangeable. Self timer Parallax corrected. Free literature on request. List 139.50.
Special New **65.50**

## MICROSCOPE ADAPTER

For Any Microscope
Special New
For Exacta, Exa, Pentacon, Praktica, Contax S, D, Leica, Canon, Edixaflex, Edixa Reflex, Asahi.
List $24.00 .....$9.95
Extension Tubes Focusing Distances marked from 3.75" to 4.5" ..... 6.49
Bellowsmat .....22.95
(For Praktina, Nikon, Contax) .....28.95

| | List | Sale New |
|---|---|---|
| FR 150 trans nickleoad unit | 49.95 | |
| Charger | 4.95 | |
| Batteries | 4.00 | |
| Connecting cord | 2.95 | |
| Complete set | | 44.50 |
| Holland 64B | 59.95 | 42.92 |
| Quick release clamp w/bracket | | 5.92 |
| Coil cord | | 1.92 |
| Special Battery | | 1.00 |

## AIREQUIPT MAGS.

List $2.25 Special **$1.44** ea.
Case that holds 12 mags.
Special .....$4.49

## POP FREE KODAK CAVALCADE

List $149.95
Special Brand New **$107.50**
(Shipments made same day order arrives)
Super Slide Condenser.....$4.95

## BRAND NEW PRAKTINA FX

GERMAN PRECISION AT A SENSATIONAL NEW LOW PRICE!
All cameras complete with Penta Prism & Rangefinder.
All supplied with factory warranty & import certificate

| | List | NOW |
|---|---|---|
| With Autom. BIOTAR f2 | 297.50 | 189.50 |

*Write for our special quotations for Accessories.*

## Latest 1958 EMEL C93A

Plume Model, 30% lighter

- 8mm roll, D Mount
- Governor Motor
- 0-64 FPS—Single Frame Counter
- Forward, Reverse For Lap-dissolves, For Double Exposure
- Footage Counter
- Positive Turret Lock
- Vibrationless Stop
- Zoom Finder, Parallax corr.
- Swiss Parts, French assembly

List Body Alone $199.50
Our price New **$129.50**
w/F1.2 Foc. List $274.00
Our price New **$169.82**
Compart case List.....$24.50
Sp. .....$14.75
Free literature
Trades Accepted

## Brand New German Precision Reflexes

| | Sale |
|---|---|
| Ikoflex IC W/Novar F3.5 | $59.95 |
| Ikoflex IC W/Tessar F3.5 | 69.95 |
| Ikoflex Favorit | 65.55 |
| IC, Case | 8.00 |
| Favorit Case | 8.41 |

## CONTAFLEX CAMERAS

Brand New

| | |
|---|---|
| Contaflex I | $88.00 |
| Contaflex II | 98.00 |
| Contaflex III | 109.50 |
| Contaflex IV | 119.50 |

## Voightlander

| | List | New |
|---|---|---|
| Vitessa L F2.8 | 139.50 | 82.50 |
| Vitessa L F2 | 159.50 | 91.50 |
| Vitessa T F2.8 | 154.50 | 89.95 |
| Case & S.C. Flash | | 11.95 |

## Kodachrome with processing included. Fresh dating, 1 year.

| | |
|---|---|
| 8mm roll | 2.75 |
| 8mm mag | 3.54 |
| 16mm roll | 7.85 |
| 16mm mag | 5.40 |
| 8mm Bolex | 9.58 |

## EXA

Latest Model w/F2.9 Meritar Pre-set w/case, BC gun, Bracket, Cord. With a Free 135mm F4.5 Telephoto lens. New. List **136.65**
Special **86.90**
(Kit Will Not Be Sold Separately)
For Exa, 135mm F4.5 Wirgar Telephoto, Focusing. Special **29.95**
This lens will not cut corners, is razor sharp, color corrected.

## BAUSCH & LOMB Projectors

| New | |
|---|---|
| B&L 300 | 56.00 |
| B&L 500 | 99.50 |

Trays 84¢
Case to hold 9 trays ..... 4.95
Case to hold 20 trays .... 7.49
Remote cord ..... 4.45

## KODAK RETINA REFLEX

w/F2 Xenon list 215.00
w/EK serial numbers with Kodak guarantee and import certificate.
Special New Kodak Factory Boxed **$144.00**
Case .....$ 9.75
Curtar wide angle F4..... 53.25
Longar Telephoto F4..... 53.25
Folding Flash BC w/case ..... 16.00

## TROMBOLITE

"Vision Aid" lite Arm rotates 360°, retracts to 25" clamps on desk full globe swivel, lights fluorescent 22W, 60W, or both. Free literature. AC, DC
**$28.76** including lamps, shipped pre-paid

## 9 Sec Pocket Elevator Tripod

Pan Head swivels all directions—gear crank
List $17.95
Special w/leather case **$9.88**

## 35mm VIEWER

List $7.95 Special **$3.99**
Batteries .....$ .38

## Brand New IHAGEE PENTAPRISM

Black Leather Top Original w/Split Image Range Finder For Exacta VX IIa
List $80.00 Special **$33.50**

## A BARGAIN

8mm Wide Angle & Telephoto Lenses
6.5mm F1.9 Wide Angle & 1½" 1.9 Telephoto Lenses for 8mm Cameras (except Kodak, B & H) list $83.25. Special, Both, New Sharp, Color Corrected. Precision made .....
Special **$22.95**

## WIDE ANGLE OR TELEPHOTO

Auxiliary lenses for all cameras.
List 24.95 each
our price new w/case **$14.97** each
Simply insert this Auxiliary lens into adapter (if you have one, if not, specify lens). These lenses are coated, color corrected, precision made, with full refund privileges if not satisfied.
Separate lens Shade.....2.48
Adapter $1.72

## Watson Delite Loader

Spool Your Own Film
List 11.95
**$9.44**
Add 50c for postage

## BRAND NEW LATEST EXAKTA VX IIA

Body w/waist Level
**$124.50**
(No Lens)

## 35mm SLIDE PROJECTOR

Brand New

| KEYSTONE | List | Sale |
|---|---|---|
| K-300, 300W, w/c | 74.95 | 46.75 |
| K310, 300W, Push Button, Remote control cord w/case, w/timer | 114.90 | 69.95 |
| K-510, Super Slide, Remote control cord Timer, 500Watt, w/case | 124.50 | 78.92 |

Miranda Standard F1.9 New **114.50**
Miranda Automatic F2.9 New **174.50**
Cameras Must Be Purchased With Cases, per above, 11.50 ea.

## FOLDING BELLOW SCOPE

For Nikon, Contax
**$18.95**
Ground Glass for rear insertion for copying with above cameras .....8.49

# CENTRAL MARKETING COMPANY

799 Broadway, N. Y. C. 3, N. Y.

1 Year Guarantee On Labor & Parts Refund in 10 Days if not Totally Satisfied

25% required on COD's Send postage overage refunded.

FREE literature.

# UNBELIEVABLE FILM VALUES

## SPECIAL ANSCOCHROME
35mm—20 exp.

| | |
|---|---|
| Within Date—per roll | $1.50 |
| 4 Rolls | $5.00 |
| 36 Exp.—per roll | $2.25 |
| 5 rolls | $10.00 |

## SUPER ANSCOCHROME ASA 100
High Speed—1959 Date
Orig. Factory Packed

| | | |
|---|---|---|
| 35mm 20X list | $2.35 | 3 for $5.95 |
| 120 list | 1.75 | 3 for 4.45 |

## PHOTOGRAPHIC ENLARGING PAPER
100 Sheet Packages — Contrasts 1—2—3

| | SW | DW |
|---|---|---|
| 4 x 5 | $1.39 | $1.79 |
| 5 x 7 | 1.89 | 2.09 |
| 8 x 10 | 3.45 | 4.00 |

Slightly outdated

## 16mm SOUND PROJECTORS
Bell & Howell, Victor, Ampro
SPECIAL USED **$159.00**

## AVAILABLE IN 8mm and 16mm
THE FOLLOWING FULL VERSION REELS

The 8mm is approximately 200 ft. and 16mm approx. 400 ft. each reel.

**Charlie Chaplin Comedies—1 reelers—** NEW JANITOR! MABEL'S BUSY DAY, FILM JOHNNY, BETWEEN SHOWERS, CAUGHT IN THE RAIN, HIS NEW PROFESSION. — 2 reelers—IN THE BANK, NITE AT THE SHOW, THE CHAMPION, THE TRAMP, HIS NIGHT OUT, DOUGH AND DYNAMITE. The price for silent is $10.00 per reel and for sound $12.50 per reel. 8mm $5.00 per reel.

**MACK SENNETT BATHING BEAUTIES—** Made direct from negatives
one-reelers $10.00 per reel and $20.00 for two-reelers. Full version approx. 400 ft. 16mm each. 8mm $5.00 per reel.

**Religious Films Available**

| | |
|---|---|
| Life of Christ | 7 reels |
| Crown of Thorns | 8 reels |
| St. Anthony of Padua | 8 reels |
| Messenger of the Blessed Virgin | 9 reels |
| Sound | $15.00 per reel |
| 8mm | $7.50 per reel |

**HAL ROACH COMEDIES—** Snub Pollard & other famous stars, full version—available in 8mm approx. 200 ft. $5.00 per reel—16mm $10.00 silent per reel and $12.50 sound. Approx. 400 ft.

**ORIGINAL OUR GANG COMEDIES—** available in 8mm and 16mm $5.00 for 8mm approx. 200 ft. $10.00 per reel for 16mm silent approx. 400 ft. per reel—available in 1 and two reelers.

## PRIZE FIGHTS
HEAVY WEIGHT FEATHER WEIGHT LIGHT WEIGHT

Full Version
Available 200' 8mm $ 7.50
400' 16mm 15.00
Fights From Early Days Till Present

## 35mm FILM
Ansco Color Daylight Outdated

| | |
|---|---|
| 100' | $11.95 |
| 20 exp. roll | 1.00 |

(3 for $2.75)

## SPECIAL CHRISTMAS CARTOONS

| | |
|---|---|
| 8mm 200' | $ 7.50 |
| 16mm approx. 400' | 12.50 |
| Color 8mm | 12.50 |
| 16mm | 25.00 |

Christmas Night — Christmas Up North
Christmas Daze — Christmas Carols

## BLACK AND WHITE MOVIE FILM WITH PROCESSING
ASA 50 Reperforated

| | |
|---|---|
| 8mm 25' dbl. roll | $1.15 |
| 8mm 100' on Bolex Spool | 3.00 |
| 16mm 100' roll | 2.50 |
| 16mm 100' sound ASA 24 | 2.50 |
| 16mm 50' Magazine | 1.90 |

With purchase of 5 rolls, 1 roll free.
Slightly Outdated

## 35mm ANSCOCHROME
**20 EXP** Good Until Dec. 1959
Our Price—**$1.25** per roll
3 rolls for **$3.50** 6 rolls for **$6.50**
DAYLIGHT ONLY—ASA 32
Respooled

**B & W 35mm Film 100' Roll**
Negative film outdated.....$1.25

## ANSCOCHROME ASA 32
16mm with Processing

| | |
|---|---|
| 100' 16mm roll | $8.00 |
| 50' 16mm Mag. | 6.50 |

Orig. factory packed 1959 dated

## COLORCHROME
8mm Roll ASA 32 $3.25
with Processing within date
Reperforated

## DEVELOPING SERVICE AVAILABLE

| | |
|---|---|
| 100' 16mm B&W | $1.25 |
| 8mm 25' double B&W | .60 |
| 8mm 25' double color | 1.25 |
| 16mm. 100' roll color | 2.50 |
| 16mm 50' Mag. color | 1.25 |

***Above color prices refer to Ansco Color and Anscochrome only.***

## ANSCO COLOR FILM WITH PROCESSING

| | |
|---|---|
| 8mm 25' dbl. roll reperforated | $2.25 |
| 8mm 100' on Bolex Spool reperforated | 6.50 |
| 16mm 100' roll | 5.00 |
| 16mm 100' roll sound | 5.00 |
| 16mm 50' Magazine | 3.50 |

Slightly outdated

## USED CLEARANCE SALE
16mm Subjects Approx. 400' available in sound or silent.
For Home Use Only **$4.95**

## SPECIAL ON NEW 8mm AND 16mm SUBJECTS
(Cartoons, Comedies and Westerns)
BLACK AND WHITE SUBJECTS
Made direct from negatives

| | |
|---|---|
| 50' 8mm | $ 1.00 |
| 200' 8mm | 3.50 |
| 100' 16mm | 2.00 |
| 400' 16mm (silent) | 7.50 |
| 400' 16mm (sound) | 10.00 |

## KODACHROME
Color Film Processing

**8MM KODACHROME MOVIES:**

| | |
|---|---|
| 25 ft. magazine | $ .75 |
| 25 ft. roll | 1.00 |

**16MM KODACHROME MOVIES:**

| | |
|---|---|
| 50 ft. magazine | $1.00 |
| 50 ft. roll | 1.50 |
| 100 ft. roll | 2.50 |

## BULK FILM SPECIAL
- Brand New Daylight Film Loader
- 100' 35mm negative film our choice
- 12 empty 35mm cartridges

Yours for only **$5.95**

## 16mm KODACHROME
100 ft. rolls—processing included. Slightly outdated. Developed by Eastman Kodak. Reg. $10.00. Price $6.00 per roll.
Slightly Outdated

## ACCESSORIES

| | |
|---|---|
| CHEMICAL KITS—D88 | $1.00 |
| One gallon size good for reversal processing of paper and film. | |
| Empty 16mm Magazines—3 for | $2.00 |
| New 8mm Magazines—3 for | 2.00 |
| 16mm 100' camera spools and cans—3 pair for | 1.00 |
| 35mm cartridges or cans—one dozen for | 1.00 |
| 16mm 800' reels—3 for | 2.00 |
| 16mm 1200' reels | 1.00 |
| Cans for above each | .50 |
| 16mm 1600' reels | 1.25 |
| Cans for above each | .50 |
| 8mm 400' reels—2 for | 1.00 |
| Double cans for above—3 for | 1.00 |
| Film cement, bottle | .25 |
| Empty 8mm Magazines—3 for | 1.45 |

## MOVIE FILM SPECIAL
ASA 50 Reperforated

| | |
|---|---|
| 4 25' double 8mm on camera spools | $ 1.79 |
| 16 rolls as above | 5.95 |
| 64 rolls as above | 22.00 |
| 15 rolls 16mm 100' on camera spools | 17.95 |
| 27 rolls as above | 29.00 |
| 54 rolls as above | 48.00 |

NO PROCESSING ON ABOVE
Slightly outdated

## BULK MOVIE FILM ASA 50 NO PROCESSING

| | |
|---|---|
| 15 16mm 25' rolls | $ 2.75 |
| 27 rolls as above | 4.75 |
| 54 rolls as above | 8.75 |
| 15 16mm 50' rolls | 5.95 |
| 27 rolls as above | 10.75 |
| 54 rolls as above | 19.50 |
| 400' 8mm or 16mm | 3.60 |

Slightly outdated

## ROLL FILM
127, 120, 620, 116, 616, Black and White ASA 80—5 for $1.00
20X 35mm B&W ASA 50—4 for 1.00
36X 35mm B&W ASA 50—2 for 1.00
Respooled

## ANSCO COLOR IN BULK
16mm 4c per ft.—Minimum order 50'
8mm 25' on camera spool $1.25
4—8mm 25' on camera spool reperf. 4.75
Daylight No. 534 outdated 6 mos.

| | |
|---|---|
| 35mm x 100' | $11.95 |
| 35mm x 50' | 6.50 |
| 35mm x 27½' | 4.00 |

Government Surplus

# ASTRA PHOTO PRODUCTS
243 WEST 55th STREET
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MINIMUM ORDER $2.00

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***PLEASE INCLUDE POSTAGE—$2.00 DEPOSIT ON ALL C.O.D.'s***

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Add postage—Excess refunded. All merchandise guaranteed 1 full year. 10 day money-back warranty.

** AND YOUR EQUIPMENT TAKEN IN TRADE

**STATICMASTER BRUSHES**
Eliminates Dust from Negatives and Slides
3" Professional List 9.95 — Special..$7.49
2" Amateur List 4.95 — Special..$3.39

**Brand New Sub-miniature MINOLTA-16 CAMERA**
f3.5, 1/200 Sec. Flash Sync. (Smaller than a pack of cigarettes)
Complete w/case, and close-up lenses. List 39.50 SPECIAL $29.95
Flash Bracket Add $2.00 B&W Film..Add 1.00
Flash Unit...Add 5.95 Color Film..Add 1.25
Minolta 16 Enlarger, List 49.95...Only 37.95
F.R. Tank 16mm to 116 size.....Only 4.95

**BRAND NEW GRA-LAB UNIVERSAL TIMER**
The most useful complete automatic timer for your darkroom. Seconds, minutes, rings and cuts off enlarger or appliances.
Standard Model #165 List 23.95 ONLY $16.95
Luminous Model #168 List 24.95 ONLY $17.95

**BRAND NEW ASAHI-PENTAX**
35mm Single-lens reflex with instant return mirror. f2.2 50mm preset Takumer Flash sync. List $195.00.
Case List $15.00 Add $10.50 — SPEC. $137.00

**BRAND NEW RICOH CAMERAS**
Rapid trigger advance, auto counter, 1/500 sec., LVS, MFX, Duo focusing
Model 500 w/case, f2.8 5 element lens 79.95 — LIST $54.95
Model 519 w/case and meter, f1.9 6 element lens 114.95 — *SPECIAL $79.95
* We Accept Your Old Equipment in Trade

**Brand New Kodak Cavalcade Slide Projector**
35mm or Super Slides, 500 watt turbo cooled, f2.8 lens, handles all mounts, no slide popping, complete with remote control cord and case.
List 149.50. SPECIAL $108.50
Trays for above....$1.79 ea.
Air Luggage Case for 24 trays.....$7.95

**BRAND NEW RICOH DIACORDS**
PRECISION REFLEX CAMERAS
Needle sharp f3.5 4-element lens, MXV, 1/400 sec., self-timer Duo focus lever, brilliant view screen.
List *Special
Diacord "G" w/case ...56.50 $37.95
Diacord "L" w/case ...75.00 $51.95
(Built-In Meter)
* We Accept Your Old Equipment in Trade.

**BRAND NEW LATEST MODELS 35MM CONTAFLEX III AND IV**
f2.8 Auto Diaphragm Tessar, MXV sync. self timer, 1/500 sec. interchangeable lenses
Model III, List 176.00.....** SPECIAL $119.95
Model IV, List 199.00.....** SPECIAL 136.95
Case .....** SPECIAL 10.50

**BRAND NEW PETRI 35mm CAMERAS**
Loaded with the features found on more expensive cameras
List Special
Petri f1.9 automatic w/case .....$112.00 74.50
Petri f1.9 Super w/case ..... 82.45 56.95
Petri f2.8 super w/case ..... 59.90 41.50

**BRAND NEW YASHICA 8mm MOVIE CAMERAS**
Yashica 8T Variable Speeds
List Special
Turret w/f1.4 lens .....79.90 55.95
Turret w/f1.4 Normal and Telephoto .....119.90 84.95
DeLuxe Leather Bag ..... 8.95
List Special
Yashica 8 Single Lens Single Speed w/f1.9 Lens Focusing .....49.95 34.95

**BRAND NEW—LIFETIME WARRANTY BAUSCH AND LOMB BALOMATICS**
100% Automatic Slide Projectors
35mm, 828, or super slide mounts, "no popping," "no light spill," intermix all mounts, finest optics.
Model 300, List 84.50....Special 58.00
Model 500, List 149.50....Special 99.00
Remote Control Cord.....Add 3.95
Non spill trays, List 1.25..Only .79 ea.
Luggage case for 24 trays..Only 7.95

**SENSATIONAL YASHICAMAT**
(Fully Automatic Reflex Camera)
f3.5 4-element lens, MX flash sync. self timer, 1/500 sec. List w/case $85.50.
BRAND NEW ONLY $58.95

| | List | Sale |
|---|---|---|
| Yashica "A" w/case | $55.95 | $23.95 |
| Yashica "C" w/case | 54.95 | 38.95 |
| Yashica "LM" w/case | 60.95 | 46.95 |

Brand New, Factory Packed, Guaranteed

**BRAND NEW—TWO NEW ADDITIONS TO THE YASHICA REFLEX FAMILY**
Yashica 44—127 film, 12 super slide exposures, 1/500 sec., MX, click stops, crank transport.
List w/case 69.95 SPECIAL 46.95
Yashica 635—Dual format reflex, built-in 35mm transport, semi-auto for 2¼ or 35 size 1/500, f3.5, MX, complete with 35 convertor & case.
List 69.95 SPECIAL 46.95

**Airequipt Automatic Changer**
Fits most models of AO, Ampro, Argus, B&H, Golde, Kodak, SVE, TDC, Viewlex, etc. (Changer and adapter only.) Specify model.
BRAND NEW ONLY $8.95
Remote Control 24.90 Only $18.95

**AIREQUIPT MAGAZINES**
HOLDS 36 35MM SLIDES, PREVENTS WARPING, FRAYING. LIST 2.25
ONLY $1.41 ea.
Air-luggage case for 24 only 7.95

**BRAND NEW LATEST MODEL 8MM TURRET MOVIE CAMERAS WOLLENSAK**
5 Speeds, all 1.8 lenses, normal, W.A., telephoto. Built-in filters, single frame, continuous run.
Model 43-D Roll..... List $ 99.50 — Sale $ 69.50

**Save on Brand New Latest Models ARGUS SLIDE PROJECTORS**
No Popping, Wide Angle Lens
Blower Cooled, Metal Case
List * Special
#535—300W Semi-Auto ...62.95 $45.95
#545—500W Semi-Auto ...69.95 $49.95
#555—500W Automatic ...99.95 $69.50
* We Accept Your Equipment in Trade.

**BRAND NEW 1958 MODEL ARGUS MATCH-MATIC C-3**
f3.5 Lens, complete outfit with meter, flash & case.
List Price $74.95
*SPECIAL $53.95
*We accept your old equipment in trade.

**Spotomatic 6A Enlarging Meter**
Takes the guesswork out of enlarging, latest model. List $15.00
SPECIAL $9.95

**(ALL BRAND NEW) SPECIAL SALE ON FAMOUS MINOLTA CAMERAS**
NEVER BEFORE OFFERED AT SUCH SENSATIONALLY LOW PRICES

**MINOLTA A**
f3.5 w/case List 57.90 NOW $37.95

**MINOLTA A-2**
f2.8 w/case List 78.90 NOW $53.95

**MINOLTA SUPER A**
f2 w/case List 141.45 NOW $92.50

**MINOLTA MINI-PROJECTOR**
List 37.50 NOW $27.50

**MINOLTA AUTOCORD**
f3.5 w/case List 109.45 NOW $73.95

**MINOLTA AUTOCORD "L"**
Same As Above with Meter List $135.45 NOW $91.50

**JUST ARRIVED BRAND NEW ARGUS M500 8mm PROJECTOR**
Weight 11 Lbs. Size 10¾"x9"x8½" high. Forward, reverse, still, rapid rewind, f1.5 wide angle lens, 400' reel, self contained case—More brilliant than higher priced projectors. Backed by Argus Lifetime Guarantee.
List $89.95 *SPECIAL $65.95
*We Accept Your Equipment in Trade

**BRAND NEW KODAK RETINA REFLEX**
50mm f2 interchangeable lenses, auto diaphragm reflex finder, 1/500 sec., MX, self-timer, built-in exposure meter, auto shutter cocking and film advance. Reg. Value 215.00.
Case Add 9.50 Spec. 132.50

**SAVE ON BRAND NEW KEYSTONE SLIDE PROJECTORS**
SALE
K-300—300W w/case and Tray, List 74.95 ..... 46.95
K-310—300W w/Remote control timer, changer, case and Tray. List 114.50 ..... 65.95
K-510—500W, w/Remote cord, auto-timer, tray, case. List 124.50 ..... 75.95

**SPECIAL SALE BRAND NEW HEILAND ELECTRONIC**
Flash Units—AC or Battery

| | List | Special |
|---|---|---|
| 64-A | 49.95 | $38.95 |
| 64-B Transistor Model | 59.95 | 43.95 |
| Straight Bracket | | 2.95 |
| Quick Release Clamp with with "L" Bracket | | 6.50 |
| Coiled Cord | | 2.95 |
| S-D Batteries | | .60 |

SUPPLY SHORT ALLOW SEVERAL WEEKS FOR DELIVERY

**Premier Professional Titler Model #2**
Complete with lights, letters, auxiliary lenses. Do zooms, slips, scrolls, animation, etc. Instructions included.
List $37.50 Special $26.50
M-2 accessory kit List $13.50 Special $8.95

**MOVIE & SLIDE TITLING OUTFIT**
Includes 400 plastic letters in 3 colors, several different backgrounds, centering chart, and instructions, 13"x18" size.
List $4.95 Only $3.95

Just Arrived—In Stock—Sensational **AIRES V** Interchangeable Lens 35mm Camera — — WRITE FOR LITERATURE AND PRICE.

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**Be a Professional Artist with the Camera**

Art Center's Faculty of practicing designers, illustrators, photographers, can help you develop taste & professional picture sense as you learn advanced techniques of the camera. 8 semesters to B.P.A. deg. Accred. Coed. Vet apprvd. Begin training in Feb., June or Sept. semester. For catalog and application form, write Mr. Mills, 5353 W. 3rd St., Los Angeles 5, California

**FREE COLOR ENLARGEMENT**
with Ektachrome, Kodachrome and Anscochrome, custom quality, processed by experts.

| | | |
|---|---|---|
| EKTACHROME and ANSCOCHROME 120 and 620 | | $1.00 |
| EKTACHROME and ANSCOCHROME 35mm | 20 exp. | 1.25 (mounted) |
| | 36 exp. | 2.00 (mounted) |
| KODACHROME | 20 exp. | 1.50 (mounted) |
| | 36 exp. | 2.50 (mounted) |

Free Coupon Good for Wallet-Size Custom Color-Print With Every Roll Processed

| | | |
|---|---|---|
| EKTACHROME and ANSCOCHROME, factory fresh guaranteed reloads | 20 exp. | $1.50 |
| | 5 for | 6.95 |
| KODACHROME original rolls | 20 exp. | 1.59 |
| | 36 exp. | 2.29 |

DELUXE COLOR PRINTS from your transparencies . . . full 2¼ x 3¼ . . . only 35¢
Send for complete price list and mailing bags. Money back if not satisfied.

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**YOU CAN BE A TV CAMERAMAN**

It's a short step from the nationally-known Television Workshop to a good-paying job in television.
Work with the finest RCA cameras and video equipment in station-size studios, under the instruction of network experts.
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**35mm FINE GRAIN**
Developed and ENLARGED **$1.75** 20 exp. roll 36 exp. $2.25

Superb 3½ x 4½ prints on single weight glossy paper.
Factory fresh, guaranteed 35mm frame numbered reloads.
Plus-X, Panatomic-X, Super-XX, Tri-X
20 exp. reloads 45¢ ea. . . . 5 for $2.00 36 exp. reloads 65¢ ea. . . . 5 for $3.00

| 12 EXPOSURE | 120 or 620 FILM | Fine Grain |
|---|---|---|
| Developed and enlarged to 3½ x 3½ | | $1.30 |
| 8 exp. rolls to 3¼ x 4½ | $ .90 | 16 exp. rolls to 3¼ x 4½ . . . $1.50 |

Send for mailing bag and complete price list of all our black and white, and color services. Money back, if not satisfied.

NATIONAL PHOTO LABS NEW HYDE PARK 10 N Y

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Finest professional instruction and equipment. G.I. Approved. Bill 550. Co-Edusational. Living accommodations secured for men. Attractive dormitory for girls. Enter January 5th-February 2nd. WRITE REGISTRAR Room 342, 750 NORTH MICHIGAN AVENUE, CHICAGO 11.

RAY-VOGUE
SCHOOLS ■ CHICAGO


## BUYING GUIDE

*(Continued from page 168)*

infinity mark; accepts cut film adapter.
**Last List Price:** $470.25.
**Used Selling Price:** $265-$300.
**Special Identification Points:** 1. Fixed, non-interchangeable lens mount.

## LINHOF

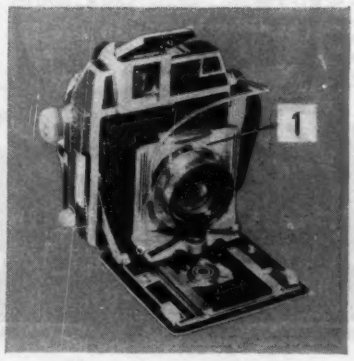
**Manufacturer:** Linhof K.G., Precision Camera Works, Munich, Germany.
**Importer:** Kling Photo Corp., 257 Fourth Ave., New York 10, N.Y.
**Film:** All models listed use sheet film, plates or film pack. Later models also accept accessory roll film adapters. Late Model 4 x 5 Super Technikas accept accessory Polaroid back.
**Lens:** All models listed have interchangeable lens boards. Lenses originally supplied for the Linhof include Schneider, Rodenstock, Voigtlander, Carl Zeiss. Accessory lenses range from 53mm to 360mm (from 47mm for current model) for the 2¼ x 3¼ Linhofs, and from 65mm to 360mm for the 4 x 5 models.
**Shutter:** Depends on lens installed in camera. Current 4 x 5 Super Technika accepts accessory focal-plane shutter.
**Flash Sync:** Depends on lens installed in camera. May be non-sync, X, MX or MFX.

### LINHOF TECHNIKA II, 6 x 9cm (1936)

**Introduced:** 1936 **Discontinued:** 1940
**Special Features:** Swing back and front; detachable revolving back; triple extension bellows; frame finder.
**Last List Price:** Less lens, $175.
**Used Selling Price:** Less lens, $80-$110.
**Serial Numbers:** 13,001 to 19,000.
**Special Identification Points:** 1. Black enamel finish; 2. Frame finder.

### LINHOF SUPER TECHNIKA 2¼ x 3¼ (1951)

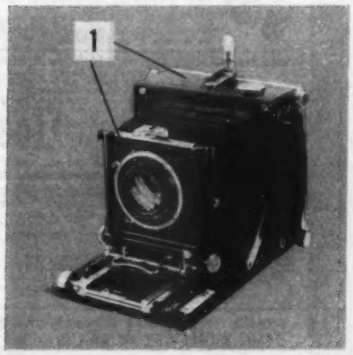
**Introduced:** 1951 **Discontinued:** 1956
**Special Features:** Built-in rangefinder coupling to lenses from 53mm to 240mm by means of interchangeable cams; adjustable vari-focus viewfinder with parallax compensation, combined with rangefinder; detachable revolving, swinging and tilting back; rising and tilting front; drop bed; triple extension bellows; two-position cable release sockets.




**Note:** This model was also available without rangefinder, which could be added later.
**Last List Price:** With rangefinder: Less lens, $329.75; with 105mm f/3.5 Xenar, $399.70.
**Used Selling Price:** With 3 rangefinder-coupling Schneider lenses, $375-$441.
**Serial Numbers:** 43,001 to 48,999.
**Special Identification Points:** 1. Early version has polished chrome finish; later version (illustrated) has satin chrome finish; 2. Differentiated from current Super Technika 2¼ x 3¼ model by not having device for quick interchange of camera backs.

### LINHOF TECHNIKA II, 9 x 12cm (1936)

**Introduced:** 1936 **Discontinued:** 1940
**Special Features:** Rising and tilting front with horizontal shift; detachable revolving and swinging back; triple extension bellows; frame finder; built-in spirit levels.
**Last List Price:** Not available.




**Used Selling Price:** With f/4.5 Tessar and Compur shutter, $69-$99.
**Serial Numbers:** 13,001 to 19,000.
**Special Identification Points:** 1. All black finish.

### LINHOF TECHNIKA III, 4 x 5 (1946)

**Note:** There are several versions of this model. Before 1948 it came without rangefinder; after 1948 it was supplied with built-in coupled rangefinder utilizing interchangeable cams for lenses of various focal lengths. It was not brought in by the present importers of the Linhof, but was marketed through other channels.
**Introduced:** 1946 **Discontinued:** 1950
**Special Features:** Coupled rangefinder

*(Continued on page 178)*

# WHOA! DO YOUR CHRISTMAS SHOPPING NOW BEFORE YOU TURN THIS PAGE!

## LOWEST PRICES, BEST VALUES
## FOR ONLY 10% DOWN
## EASY MONTHLY PAYMENTS

### New AUTO F1.9 CAMERA

Closing out a $99.50 camera at better than 50% discount. Rapid film advance MX sync, speeds to 1/500 single window coupled rangefinder/viewfinder (sold with case only) $6.95. BC flashgun $.95.

QUITE OBVIOUSLY

BRAND-NEW **47.95**

1.25 post & packing

### New AUTO EXAKTA VX IIa

Latest model with discontinued fully automatic f1.9 SCHNEIDER XENON. With import certificate and factory service guarantee.

BRAND NEW **229.50**

Case 6.95 — 1.50 post & packing

Same with Litometer finder slightly more.

### New 35mm SINGLE LENS REFLEX

f1.9 COATED MEYER PRIMOPLAN PRE-SET

Famous German import, sync for strobe and flash. Single action advance. 12 speeds from 1 to 1/1000; interchangeable lenses.

BRAND NEW **89.75**

Case 9.95

Rangefinder prism 9.75 additional.

### New Imported Special! MAGNALUX "35" CONDENSER ENLARGER

For 35mm and Bantam negatives. All-metal construction. Dustless all-metal negative carrier. Full bellows draw. Cool even illumination.

BRAND NEW **11.88**

shipped express

2" f4.5 enlarging lens .....7.95

2" f3.5 coated enlarging lens, click-stops .....8.95

### New 250mm f5.5 TELE MEGOR

Famous Meyer medium and long distance lens for EXAKTA, PENTACON, PRAKTICA, etc. List $130.00.

BRAND NEW **68.95**

1.50 post. & packing.

### RETINA REFLEX

Full size ground glass-screen, split image rangefinder, built in exposure meter, light value settings, rapid winding lever f2 coated Xenon lens.

**133.95**

Case 9.50 — 1.50 post & packing — BUY NOW AND SAVE

### PRISM RANGEFINDER

No Exakta owner should be without one. Combined with viewfinder for Exa. Exakta V, VX and IIa.

BRAND NEW **18.95**

Case 2.50

50c postage & handling.

### PRAKTICA F-X

f2.8 coated Zeiss Tessar lens focal plane shutter; sync for flash and strobe.

BRAND NEW **62.95**

Case 7.95 (Sold with case only)

1.25 post & packing

### BRUMBERGER AUTO-MAT

35mm 300 Watt blower cooled automatic complete with Airequipt Auto changer and 1 mag. List $89.50.

BRAND NEW **37.50**

FREE CASE 1.85 postage & packing

### PRISM BINOCULARS

7 x 50 Ind. focus .....18.95*

10 x 50 Ind. focus .....22.50*

16 x 50 Ind. focus .....24.50*

20 x 50 Ind. focus .....28.95*

BRAND NEW WITH CASE & STRAPS

1.25 post & handling • add 10% tax

### 4x5 SPEED GRAPHIC

Professional Anniversary model f4.5 lens coupled rangefinder double extension bellows. Focal plane shutter to 1/1000th.

USED **89.00**

1.85 post & packing

### 35mm f2.5 ANGENIEUX

Wide angle for Exakta, Praktica, Praktiflex, Pentacon.

USED **54.50**

28mm f3.5 ANGENIEUX Used 65.50

85c post & packing

### SPECIAL PURCHASE! RETINA IIIc

Compur rapid MX shutter, built in exposure meter, self timer, speeds to 1/500, lens f2 Heliogen.

**92.75**

Case 9.95 — 1.25 post & packing

### ARGUS C-3

f3.5 lens, built in flash synchronization coupled rangefinder, supply limited order now.

USED **19.95**

Flashgun 3.50

Case 4.50

1.25 post & packing

### 2¼ x 3¼ B&J PRESS CAMERA

f4.5 lens and coupled rangefinder on smart all around camera. Case 9.95. 1.50 post & packing.

USED **57.95**

### 35mm PENTACON

with f2 Auto Westagon ..129.50

with f2.8 Auto Westanar . 99.50

with f2.8 semi auto Schacht Travenar.

BRAND NEW **88.50**

Case 9.50 — 1.25 post & packing

### 2¼ x 2¼ EDIXA

f2.8 coated Rodenstock, Prontor SVS shutter, MXV sync, speeds 1 sec to 1/300.

BRAND NEW **39.50**

Sold only with case.

Case 9.50 — 1.25 post & packing

### 400mm f5.5 TELE LENS

BRAND NEW **88.50**

Diaphragm in focusing mount for Exakta, Contax S, Praktica, Pentacon, Asahiflex, etc.

1.95 postage & packing

### REVERE T-1100

Portable dual speed tape recorder with 88 to 12000 cps response. Two speakers recording level indicator. Complete with mike Hi-Fi cable extra reel & pack.

BRAND NEW **117.95**

Shipped express — Stereo-Head for above 34.95.

CYPRESS 9-5610

## hamilton house

Dept. M 12 — 545 FIFTH AVENUE

NEW YORK 17, NEW YORK

### STATEMENT OF POLICY

Items listed offered with 30-day trial 2 year service guaranty. No down payment on models. Minimum down payment 10%. Prices are F.O.B. N.Y. Estimate & include postage and insurance. Overpayments refunded. Prices listed are our net, and do not indicate availability at all times.

# The World's most versatile Single Lens Reflex,

The ideal and virtually indispensable camera for

**Professional Photographers**
**Medical Photographers**
**Industrial Photographers**
**Advanced Amateurs,**

**in short, for those who will settle for nothing but the very best in photographic equipment:**

# OPTIKA IIa

## Single Lens Reflex Camera

**4** Formats in one camera • 2¼ x 3¼ • 2¼ x 2¼ • 2¼ x 2¾ • 1⅝ x 2¼

**3** Types of Film • Roll film • Film pack • Cut film

**Optikamatic Rollfilm Magazines**
Carry Color Film, Fast Film, Finegrain Film, each in its own, quickly interchangeable Rollfilm Magazine.

**Interchangeable Lensboards**
From Wide Angle to 400mm Tele. Use even lenses in shutters!

• Bellows Focusing • Optikalite Focusing Screen • Focal Plane Shutter
• Flash and Strobe Synchronizers • Optical Sports-Finder

**SEND** for complete details, illustrated brochure and prices.

**READ** how well known Experts rate the Optika IIa

**For full details mail this coupon to**

# SEYMOUR'S

**Camera Store**
**350-AB West 31st Street**
**New York 1, N. Y.**
**Tel. Wisconsin 7-0453**

PLEASE TYPE OR HAND PRINT NAME AND ADDRESS:

☐ Please send complete details about the Optika IIa Reflex. Also send consumer reports and prices.

☐ I would like to trade equipment and have listed it on a separate sheet.

☐ I would like to establish credit.

Name: .....

Address: .....

City, Zone, State: .....

## SPECIAL ANSCOCHROME
**35mm Within Date**

| | |
|---|---|
| 20 Exp.—per roll | $1.50 |
| 4 rolls | $5.00 |
| 36 Exp.—per roll | $2.25 |
| 5 rolls | $10.00 |

## SUPER ANSCOCHROME ASA 100
**High Speed—1959 Date**
**Orig. Factory Packed**

| | | |
|---|---|---|
| 35mm 20X list | $2.35 | 3 for $5.95 |
| 120 list | 1.75 | 3 for 4.45 |

## PHOTOGRAPHIC ENLARGING PAPER
**100 Sheet Packages**
**Contrasts 1—2—3**

| | SW | DW |
|---|---|---|
| 4 x 5 | $1.39 | $1.79 |
| 5 x 7 | 1.89 | 2.09 |
| 8 x 10 | 3.45 | 4.00 |

Slightly outdated

## 16mm SOUND PROJECTORS
**Bell & Howell, Victor, Ampro**

**SPECIAL USED $159.00**

## AVAILABLE IN 8mm and 16mm
**THE FOLLOWING FULL VERSION REELS**

The 8mm is approximately 200 ft. and 16mm approx. 400 ft. each reel.

**Charlie Chaplin Comedies—1 reelers—** NEW JANITOR! MABEL'S BUSY DAY, FILM JOHNNY, BETWEEN SHOWERS, CAUGHT IN THE RAIN, HIS NEW PROFESSION. — **2 reelers—**IN THE BANK, NITE AT THE SHOW, THE CHAMPION, THE TRAMP, HIS NIGHT OUT, DOUGH AND DYNAMITE. The price for silent is $10.00 per reel and for sound $12.50 per reel. 8mm $5.00 per reel.

**MACK SENNETT BATHING BEAUTIES—**
**Made direct from negatives**
one-reelers $10.00 per reel and $20.00 for two-reelers. Full version approx. 400 ft. 16mm each. 8mm $5.00 per reel.

**Religious Films Available**

| | |
|---|---|
| Life of Christ | 7 reels |
| Crown of Thorns | 8 reels |
| St. Anthony of Padua | 8 reels |
| Messenger of the Blessed Virgin | 9 reels |
| Sound | $15.00 per reel |
| 8mm | $7.50 per reel |

**HAL ROACH COMEDIES—**
Snub Pollard & other famous stars, full version—available in 8mm approx. 200 ft. $5.00 per reel—16mm $10.00 silent per reel and $12.50 sound. Approx. 400 ft.

**ORIGINAL OUR GANG COMEDIES—**
available in 8mm and 16mm $5.00 for 8mm approx. 200 ft. $10.00 per reel for 16mm silent approx. 400 ft. per reel—available in 1 and two reelers.

## PRIZE FIGHTS
**HEAVY WEIGHT FEATHER WEIGHT LIGHT WEIGHT**

Full Version
Available 200' ..... 8mm $ 7.50
400' ..... 16mm 15.00

Fights From Early Days Till Present

## 35mm FILM
**Ansco Color Daylight Outdated**

| | |
|---|---|
| 100' | $11.95 |
| 20 exp. roll | 1.00 |

(3 for $2.75)

## SPECIAL CHRISTMAS CARTOONS

| | |
|---|---|
| 8mm 200' | $ 7.50 |
| 16mm approx. 400' | 12.50 |
| Color 8mm | 12.50 |
| 16mm | 25.00 |

Christmas Night — Christmas Up North
Christmas Daze — Christmas Carols

## BULK FILM SPECIAL
- Brand New Daylight Film Loader
- 100' 35mm negative film our choice
- 12 empty 35mm cartridges

Yours for only **$5.95**

## BLACK AND WHITE MOVIE FILM WITH PROCESSING
**ASA 50**
**Reperforated**

| | |
|---|---|
| 8mm 25' dbl. roll | $1.15 |
| 8mm 100' on Bolex Spool | 3.00 |
| 16mm 100' roll | 2.50 |
| 16mm 100' sound ASA 24 | 2.50 |
| 16mm 50' Magazine | 1.90 |

**With purchase of 5 rolls, 1 roll free.**
**Slightly Outdated**

**B & W 35mm Film 100' Roll**
Negative film outdated..... $1.25

## ANSCOCHROME ASA 32
**16mm with Processing**

| | |
|---|---|
| 100' 16mm roll | $8.00 |
| 50' 16mm Mag. | 6.50 |

Orig. factory packed 1959 dated

## COLORCHROME
8mm Roll ASA 32 ..... $3.25
with Processing within date
**Reperforated**

## DEVELOPING SERVICE AVAILABLE

| | |
|---|---|
| 100' 16mm B&W | $1.25 |
| 8mm 25' double B&W | .60 |
| 8mm 25' double color | 1.25 |
| 16mm 100' roll color | 2.50 |
| 16mm 50' Mag. color | 1.25 |

***Above color prices refer to Ansco Color and Anscochrome only.***

## ANSCO COLOR FILM WITH PROCESSING

| | |
|---|---|
| 8mm 25' dbl. roll reperforated | $2.25 |
| 8mm 100' on Bolex Spool reperforated | 6.50 |
| 16mm 100' roll | 5.00 |
| 16mm 100' roll sound | 5.00 |
| 16mm 50' Magazine | 3.50 |

Slightly Outdated

## USED CLEARANCE SALE
16mm Subjects Approx. 400' available in sound or silent.
**For Home Use Only $4.95**

## SPECIAL ON NEW 8mm AND 16mm SUBJECTS
**(Cartoons, Comedies and Westerns)**
**BLACK AND WHITE SUBJECTS**
**Made direct from negatives**

| | |
|---|---|
| 50' 8mm | $ 1.00 |
| 200' 8mm | 3.50 |
| 100' 16mm | 2.00 |
| 400' 16mm (Silent) | 7.50 |
| 400' 15mm (sound) | 10.00 |

# KODACHROME
## Color Film Processing
**8MM KODACHROME MOVIES:**

| | |
|---|---|
| 25 ft. magazine | $ .75 |
| 25 ft. roll | 1.00 |

**16MM KODACHROME MOVIES:**

| | |
|---|---|
| 50 ft. magazine | $1.00 |
| 50 ft. roll | 1.50 |
| 100 ft. roll | 2.50 |

## 35mm ANSCOCHROME 20 EXP
Good Until Dec. 1959
Our Price—**$1.25** per roll
3 rolls for **$3.50** 6 rolls for **$6.50**
DAYLIGHT ONLY—ASA 32
Respooled

## 16mm KODACHROME
**100 ft. rolls**—processing included. Slightly outdated. Reg. $10.00. Price $6.00 per roll.
Slightly Outdated

## ACCESSORIES

| | |
|---|---|
| CHEMICAL KITS—D88 | $1.00 |
| One gallon size good for reversal processing of paper and film. | |
| Empty 16mm Magazines—3 for | $2.00 |
| New 8mm Magazines—3 for | 2.00 |
| 16mm 100' camera spools and cans—3 pair for | 1.00 |
| 35mm cartridges or cans—one dozen for | 1.00 |
| 16mm 800' reels—3 for | 2.00 |
| 16mm 1200' reels | 1.00 |
| Cans for above each | .50 |
| 16mm 1600' reels | 1.25 |
| Cans for above each | .50 |
| 8mm 400' reels—2 for | 1.00 |
| Double cans for above—3 for | 1.00 |
| Film cement, bottle | .25 |
| Empty 8mm Magazines—3 for | 1.45 |

## MOVIE FILM SPECIAL
**ASA 50**
**Reperforated**

| | |
|---|---|
| 4 25' double 8mm on camera spools | $ 1.79 |
| 16 rolls as above | 5.95 |
| 64 rolls as above | 22.00 |
| 15 rolls 16mm 100' on camera spools | 17.95 |
| 27 rolls as above | 29.00 |
| 54 rolls as above | 48.00 |

**NO PROCESSING ON ABOVE**
**Slightly outdated**

## BULK MOVIE FILM ASA 50 NO PROCESSING

| | |
|---|---|
| 15 16mm 25' rolls | $ 2.75 |
| 27 rolls as above | 4.75 |
| 54 rolls as above | 8.75 |
| 15 16mm 50' rolls | 5.95 |
| 27 rolls as above | 10.75 |
| 54 rolls as above | 19.50 |
| 400' 8mm or 16mm | 3.60 |

**Slightly outdated**

## ROLL FILM

| | |
|---|---|
| 127, 120, 620, 116, 616, Black and White ASA 80—5 for | $1.00 |
| 20X 35mm B&W ASA 50—4 for | 1.00 |
| 36X 35mm B&W ASA 50—2 for | 1.00 |

**Respooled**

## ANSCO COLOR IN BULK
16mm 4c per ft.—Minimum order 50'

| | |
|---|---|
| 8mm 25' on camera spool | $1.25 |
| 4—8mm 25' on camera spool reperf. | 4.75 |

**Daylight No. 534 outdated 6 mos.**

| | |
|---|---|
| 35mm x 100' | $11.95 |
| 35mm x 50' | 6.50 |
| 35mm x 27½' | 4.00 |

**Government Surplus**

# CINEPIX, INC.
**243 WEST 55th STREET**
**NEW YORK 19, N. Y.**

**MINIMUM ORDER $2.00**

***VISIT OUR STORE—OPEN SATURDAYS.***

**PLEASE INCLUDE POSTAGE—$2.00 DEPOSIT ON ALL C.O.D.'s**

# AWON FILM DISCOUNTS !!!

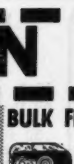
**SAVE MONEY—Unless otherwise specified, all film and paper is government surplus, outdated, respooled and repacked to bring you bargain prices.**

## FRESH KODACHROME

This 1959 dated film is in its original sealed package. *Day. or Tung. Price includes processing plus mounting of 35mm.*

| Size | Lots of 3—EA. | Kodachrome |
|---|---|---|
| 8mm x 25' dble. roll | | 2.75 |
| 8mm x 25' dble. mag. | | 3.60 |
| 16mm x 50' mag. | | 5.35 |
| 16mm x 100' roll | | 7.85 |
| 35mm x 20 exp. | | 2.55 |
| 35mm x 36 exp. | | 3.90 |

## BULK FILM SPECIAL



1—Brand New Daylight Film Loader

100'—35mm negative film

5—film cartridges

**$5.95**

## MOVIE FILM

Fast, fine grain, B & W panchromatic ASA 50. Prices include new fast processing service.

| | |
|---|---|
| 8mm x 25' dble. roll | $1.10 |
| BOLEX 8mm x 100' dble. roll | 3.50 |
| 16mm x 50' mag. | 1.75 |
| 16mm x 50' mag. Kodak Super XX | 2.25 |
| 16mm x 100' Ansco | 2.75 |
| 16mm x 100' | 2.50 |
| 16mm x 100' Kodak Plus X | 2.95 |
| 16mm x 100', Sound, ASA 50 | 3.40 |
| 16mm x 50' roll, Plus X | 1.50 |
| 16mm x 100' Kodak Super XX ASA 100. | 2.95 |
| 16mm x 100' Sound Perf | 3.25 |
| 16mm x 100' Tri X Sound Perf | 5.25 |

BUY SIX . . GET ONE EXTRA FREE

## Standard Double CUT FILM HOLDER

Fits all Graphics and other cameras with standard press-type spring backs.

| | Spec. |
|---|---|
| 2¼x3¼ | $ 2.79 |
| 3¼x4¼ | 2.89 |
| 4x5 | 2.99 |
| 5x7 | 3.39 |
| * 8x10 | 10.40 |

Minimum Order—3
* No Minimum Required
***4x5 CUT FILM MAGAZINE—
***AWON SPECIAL—$18.95***

## AWON CHOPS KODAK PRICES

**ALL BRAND NEW—Awon dares to discount even Kodak Equipment—Order Now!**

| | AWON PRICE |
|---|---|
| **KODAK CAMERAS** | |
| KODAK SIGNET 50 35mm, with flash | $ 39.95 |
| KODAK RETINA IIIc 35mm, w/frame finder | 112.95 |
| KODAK RETINA IIIc 35mm, f2 w/case (discontinued) | 112.95 |
| KODAK STEREO outfit | 74.60 |
| KODAK STEREO camera | 67.50 |
| KODAK DUAFLEX IV flash outfit | 18.95 |
| BROWNIE HAWKEYE flash outfit | 11.50 |
| KODAK STARFLASH flash outfit | 7.10 |
| KODAK PONY 135 model C, f3.5 | 27.00 |
| KODAK PONY 135 model IV outfit | 41.95 |
| KODAK SIGNET 40 35mm, w/flash | 45.95 |
| KODAK RETINA REFLEX 35mm, f2, w/case | 139.95 |
| **KODAK MOVIE CAMERAS** | |
| KODAK BROWNIE 8mm model II, f2.3 | 21.00 |
| KODAK BROWNIE 8mm model II, f1.9 | 29.95 |
| KODAK BROWNIE turret 8mm f1.9 | 52.95 |
| BROWNIE 8mm turret, f2.3 | 41.95 |
| KODAK MEDALLION 8mm mag. f1.9 foc. | 79.95 |
| KODAK K100 16mm f1.9 lens | 224.25 |
| KODAK K100 turret 16mm f1.9 lens | 252.75 |
| **KODAK PROJECTORS** | |
| CINE KODAK Showtime 8mm projector | 84.95 |
| CINE KODAK Showtime w/variable speed control | 96.95 |
| BROWNIE "300" 8mm movie proj | 46.95 |
| BROWNIE "500" 8mm movie proj | 57.95 |
| KODASCOPE ROYAL 16mm movie proj | 221.25 |
| KODAK "300" 35mm slide projector w/readymatic changer | 45.50 |
| KODAK "300" w/Airequipt chngr. | 52.50 |
| KODAK "500" w/Airequipt changer | 62.00 |
| KODAK Cavalcade Proj. #500 | 109.95 |

BIG DISCOUNTS

Ask for the AWON DISCOUNT PRICES on all equipment

## MOVIE—QUANTITY DISCOUNTS

B&W ASA 50 REVERSAL. NO PROCESSING

| SIZE | 54 Rolls | 27 Rolls | 15 Rolls |
|---|---|---|---|
| 16mm x 50' | 19.95 | 10.95 | 5.95 |
| *16mm x 100' | 46.95 | 28.50 | 15.95 |

*On Camera Spools

**Black & White Movie Film Processing Service**

| | |
|---|---|
| 8mm x 25' Dble. | $ .55 ea. |
| 16mm x 100' | $1.00 ea. |
| 16mm x 50' | $ .65 ea. |

## New! 35mm BAUSCH and LOMB BALOMATIC Projectors

| | |
|---|---|
| 300 watt | $ 58.95 |
| 500 watt | $105.95 |

## SPECIAL OFFER - 16mm film

16mm x 100' roll Ansco ASA 50—FAST, Fine grain, Panchromatic, B&W

**A-1 Special - $1.99 ea.**

PROCESSING INCLUDED minimum order 5 rolls

## ASA 50 Aero Ektachrome

35mm x 20 exp. ..... $1.50 ea. ..... 4 for $5.00
Processing included

35mm x 40' Bulk....$3.95; 35mm x 75' Bulk....$ 7.50
35mm x 75' Bulk plus 4½ gal. devel. kit.....$ 8.95

## Bulk ANSCO COLOR daylight or Tung. outdated

| | |
|---|---|
| 35mm x 100' | $11.95 |
| 35mm x 50' | 6.50 |
| 35mm x 27½' | 4.00 |
| 35mm x 20 exp. in metal cartr. | 1.20 ea. |
| 6 for $5.50 | 12 for $10 |
| 35mm x 50' Tung | $6.95 |
| 35mm x 20 exp. Tung | 6 for $4 |
| 16mm x 100' Daylight Movie film | 3 for $11.95 |
| 620 Tungsten | 6 for $ 2.00 |

## NEW — ANSCOCHROME ASA 100

This is the genuine SUPER HIGH SPEED Color Film 1959 date. Original pack.

| | LIST | AWON PRICE |
|---|---|---|
| 35mm x 20 ex. | SALE! | 3 for $5.75 |
| 120 roll | | 3 for $4.10 |
| 16mm x 100' roll | | $6.95 |

## Aero EKTACHROME

ASA 40 with 1½ gallon processing kit

| | |
|---|---|
| 5¼ x 20' | $5.00 |
| 5½ x 40' | $5.00 |
| 7 x 18' | $5.95 |
| 9½ x 40' | $8.00 |
| 35mm x 37½' | $5.00 |

EXTRA—Free compensating filter with any of above.
SPECIAL—4½ gallon Ektachrome processing kit $2.95.

## POLAROID FILM

| | Close Date |
|---|---|
| Type 31 (Model 80) | 6 rolls for $ 7.00 |
| Type 32 (Model 80) | 6 rolls for $ 8.00 |
| Type 41 (Model 95A, 700, 110) | 6 rolls for $ 9.00 |
| Type 44 (Model 95A, 700, 110) | 6 rolls for $10.95 |

Write for AWON PRICES on all POLAROID Cameras and Equipment.

## Sale WESTINGHOUSE FLASHBULBS

per CASE OF 144

| | | |
|---|---|---|
| #5 | (per case) | $10.75 |
| M2 | (per case) | 9.55 |
| SM | (per case) | 14.33 |
| 5B | (per case) | 15.55 |
| #6 | (per case) | 15.00 |
| 6B | (per case) | 19.15 |

## KODAK SUPER XX ROLL FILM

127, 120, 620, 116, 616 — Respooled aerial film — 6 rolls for **$1.00**

## HIGH SPEED MOVIE

ASA 200, Proc. incl.

| | |
|---|---|
| 8mm x 25' Roll | $2.45 ea.; 3 for $7.05 |
| 8 or 16mm x 100' roll | 5.70 ea.; 3 for 16.20 |

## AERO EKTACHROME KITS

ASA 40. Original sealed cartons. 9½" x 40' film, 1½ gallon processing kit PLUS 4½ gallon proc. kit PLUS one color correction & 4 different haze filters.

**SPECIAL—$8.95**

5½x40' film, two 1½ gallon processing kits, & 4 filters.....$5.00

## 16mm x 400' BULK MOVIE FILM

| | |
|---|---|
| ASA 24 Single or Double Perforation | $6.95 |
| ASA 50 Single or Double Perforation | $6.95 |
| SUPER XX (ASA 100) Double Perforation | $7.95 |
| 16mm x 400' Positive Film | $3.95 |

## CHANGING BAGS

Light tight. Permits you to load film holders, developing tank, etc. without a darkroom. Elastic sleeves. Zippers.

Large Size (up to 4x5).....only $3.95
Professional (up to 5x7).....only $6.95

## Negative Safety

Kodak Plus X or Super XX Infrared, or Background X. 35mm x 100 ft. $1.98 each

Kodak Background X (ASA 24) or Kodak Infrared . . . 35mm x 200 ft. .....1.50 ea.

## AERO EKTACHROME

ASA 32
35mm x 75'
$4.95

## SLIDE MOUNTS

| | |
|---|---|
| 35mm Cardboard Mounts . . . 100 for $1. | 1,000 for $ 8.50 |
| 127 & Super slide cardboard mounts . . . 100 for $1.50 | 1,000 for $10.00 |
| Stereo Cardboard mounts . . . 100 for $3.50 | 1,000 for $25.00 |
| 2¼x2¼ Cardboard Mounts . . . 100 for $3. | 1,000 for $27.00 |

## PAPER SALE ORIGINAL BOXES

CONTACT PAPER—less than 1c a print

| | | |
|---|---|---|
| 4x5" SWGL (200 shts) #3 | | $1.00 |
| 10x10" SWSM #1, 4 | 1 box (100 shts) | 98c |
| 8x10" LWSM #1 | (100 shts) | 1.00 |
| 8x10 AZO DW Lustre #3 | (100 shts) | 3.50 |
| 10x10 SWSM #4 | (250 shts) | 1.95 |
| 18x22" LWSM #1, 2 | 1 box (50 shts) | 1.98 |
| Kodak Linagraph 7"x600' | | 2.95 |
| Kodak Linagraph, 8"x200' | | 1.95 |
| 14x17" LWSM #1, 2, 3 | 1 box ( 50 sheets) | 1.25 |
| 11x14" LWSM #2, 3, 4 | 1 box ( 50 sheets) | .98 |
| 7½x7½" SWGL #4 or 5 | 1 box (250 sheets) | 2.95 |
| 10x20" SWSM #4 | ( 50 sheets) | 1.50 |
| 10x10" DWSM #1 | (100 sheets) | 1.95 |
| 8x10½ LW Lustre #0, 1, 2, 5 | (250 sheets) | 1.98 |

**10x10" SWGL #1, 2, 4 .....100 shts $ 2.50
1,000 shts ..... 22.50

## AERIAL FILM

in original metal containers.

| KODAK XX | | KODAK TRI-X | |
|---|---|---|---|
| 5¼"x20' | .79 | 5½"x50' | 1.00 |
| 5½"x50' | 1.00 | 9½"x75' | 7.95 |
| 7"x18' | 1.00 | 9½x180' | 14.95 |
| 9½"x75' | 7.95 | 18½x46' | 1.95 |
| 9½x180' | 14.95 | 9½x370' | 16.95 |

## FRESH KODAK ROLL FILM

B&W—Original Kodak package—Fresh—Bargain

| | |
|---|---|
| 127, 120 or 620 — Verichrome Pan | 6 for $2.30 |
| Tri-X or Panatomic X | 6 for $2.70 |
| 35mm x 20 exposures — Plus X | 6 for $3.90 |
| Tri X or Panatomic X | 6 for $4.20 |
| 35mm x 36 exposures — Plus X | 6 for $4.80 |
| Tri X or Panatomic X | 6 for $5.30 |

## ANSCOCHROME, 1959 DATE ASA 32

| | |
|---|---|
| 35mm x 100' (orig factory pack) | $30.00 |
| 35mm x 28' (orig factory pack) w/loader | 7.99 |
| 35mm x 20 exp. (reloads) | $1.35 ea. ....4 for 4.98 |
| 120 or 620 original pack | 3 for 3.00 |
| 16mm x 100' roll (incl. proc.) | $8.50 ea. ..3 for $25.00 |
| 16mmx100', orig package (no proc) | 3 for 17.95 |

## LANTERN SLIDE PLATES

36 glass plates per box

2x2....2 boxes for $1 — 3¼x4...2 boxes for $1

## ENLARGING PAPER

| | | |
|---|---|---|
| 4x5" SWGL #1 (200 sheets) | $1.98, 1,000 shts | $6.95 |
| 8x10" SWGL #1 | (100 sheets) | 3.50 |
| 10x10" SWGL #1 | (100 sheets) | 3.95 |
| 9⅝x200' SWSM #1, 3 | | 4.45 |

9⅝"x1000' SWSM #1 .....$6.95 . . . 2 for $12.95

| | | |
|---|---|---|
| 10x10" SWSM #1, 3 | (100 sheets) | 3.50 |
| 11x14" DWGL #1 | ( 50 sheets) | 2.95 |
| 8x10½ Kodabromide SW Lustr #1, 4 | (250 sheets) | 7.00 |
| 11x14 SWSM #2, 3, 4 | ( 50 sheets) | 3.50 |
| 11x14" DWSM #1 | ( 50 sheets) | 3.95 |
| 20x24" SWSM #3 | ( 50 sheets) | 6.95 |
| 40"x10' DWSM #4 | | 2.00 |

## AERIAL FILM KODAK XX

| | |
|---|---|
| 5¼"x20' | .79 |
| 5½"x50' | 1.00 |
| 7"x18' | 1.00 |
| 9½"x75' | 7.95 |
| 9½x180' | 14.95 |

## KODAK TRI-X

| | |
|---|---|
| 5½"x50' | 1.00 |
| 9½"x75' | 7.95 |
| 9½x180' | 14.95 |
| 18½x46' | 1.95 |
| 9½x370' | 16.95 |

## CUT FILM SPECIALS

| | |
|---|---|
| 4x5 Kodak Infra Red (100 shts) | $1.00 |
| 10x12 E.K. Commercial (10 shts) | 1.98 |
| 11x14 Contrast Proc Pan (10 shts) | 1.98 |
| 8x10 E.K. Contr Proc Pan or Ansco Process (25 sh) | $1.98 |
| 8x10 E.K. Infra Red (100 shts) | 3.95 |

6 for $8.95

## 35mmx100'—Bulk Film Special!

| | |
|---|---|
| DuPont Sup. #4, exp. Index—Day 325, Tung 250 | $3.50 |
| 35mm x 100' Kodak Plus X ASA 80 | $3.50 |
| 35mm x 100' Kodak TRI-X | $3.50 |
| 35mm x 100' B&W ASA 24 | 98c |
| 35mm x 100' Kodak Ortho Pos film | $1.50 |
| 35mm x 100' Ansco ASA 50 | $1.50 |

## COLOR CUT FILM SPECIALS

| | |
|---|---|
| 4x5 Ektachrome S (10 shts) | $2.50 ea. . . 3 for $6.75 |
| 5x7 Ektachrome (10 shts) | 2.95 |
| 8x10 Ansco Color (10 shts) | 3.95 ea.—3 for $10.00 |

10x12—Original Box of 10 sheets—98c
Kodak Contrast Process Pan.

11x14—Original Box of 12 sheets—98c
Kodak Portrait Pan.

Kodak Matrix (10 shts) 10x12—98c 11x14—98c

## MOVIE PROJECTION BULBS

8mm or 16mm (keep a spare on hand) 300 wt—2 for $5; 500 wt—3 for $5.50; 750 wt—2 for $6

## 35mm x 20 Exp. Cart. (reloads)

Plus X or Tri-X or Infra Red or Microfile — 6 for $1.50; 12 for $2.50

## ANSCO B&W MOVIE FILM—ASA 50

16mm x 100'. Original Ansco pack. 3 for $5.95

## Revere Electric EYE-Matic

8mm Automatic Exposure Cameras. Fade-in, fade-out device. f1.8 lenses.

| | |
|---|---|
| CA-1 single lens roll | $103.95 |
| CA-2 turret roll, w/normal, wide angle & tele. | 125.95 |
| CA-3 single lens magazine | 125.95 |
| CA-4 turret mag., w/normal, wide angle & tele. | 149.95 |

**BRAND NEW! For 8mm, 16mm and 35mm MORSE G-3 DEVELOPING OUTFIT AWON PRICE—$24.95**

**Send 25c for complete catalog listing all photo equipment at unbeatable prices!**

Include 20% deposit on all C.O.D. orders. All film and paper are outdated and sold as is. All footage approximate. Prices subj. to change without notice. Minimum order $5. Orders under $5, include 50c handling charge.

EXPORT INQUIRIES INVITED!

# AWON FILMS

*108-M West 29th Street, New York 1, N. Y.

# AWON PHOTOGRAPHIC DISCOUNTS !!!

ORDER ANYTHING . . . We can supply any Photo equipment. WRITE for AWON's Big Discount price on any item.

## SUPER ANSCOCHROME-ASA 100

Fresh Orig. Ansco Pack. Day or Tung—1959 date

35mm x 100' roll ..... $37.95
16mm x 100' roll ..... 6.95

## New! Ansco Super Hypan Black & White Sheet Film

2¼x3¼ (box of 25 sheets) ..... 3 for $6.
4x5 (box of 25 sheets) ..... 3 for $9.

## FRESH B&W MOVIE FILM—ASA 50

This is absolutely FRESH—not surplus—not reperforated. Price includes PROCESSING

8mm x 25' Double ..... 3 for $5.95
16mm x 100' ..... $5.00 each

## CLEARANCE SPECIALS

LIMITED QUANTITIES! Many below dealers cost! BRAND NEW! First come, first served! ORDER NOW!

| | |
|---|---|
| Westar f4.5 100mm lens for Practica etc. | 17.95 |
| 35mm Super Paxette, f2.8 lens, RF, case (discontinued) | 31.95 |
| MINOLTA A 35mm, f3.5 lens, w/case | 39.95 |
| ANSCO Dualet projector, 35mm & 2¼ sq., 300 wt. | 27.95 |
| Elgeet 8mm Cineturret (w/angle & tele) attach. | 24.95 |
| 35mm EXA reflex (disc) f2.9 stand lens, case | 54.95 |
| 8mm VISTASCOPE wide screen lens | 55.00 |
| 16mm VISTASCOPE wide screen lens | 87.50 |
| Mansfield Auto-Splicer, 8mm/16mm | 4.95 |
| SPOT-O-MATIC enlarging meter | 9.75 |
| Minolta A-2, 35mm, f2.8 w/case | 54.95 |
| Super Minolta "A," 35mm, f2, w/case | 102.50 |
| Premier Prof. Titler—Mod #3 | 25.95 |
| Premier M-2 accessory kit | 8.50 |

## TRIPOD SALE!

| | SALE |
|---|---|
| Quick Set Champ II, 3 Sect., Elev., w/Pan Head | $22.95 |
| Quick Set Husky II, 3 Sect., Elev., w/Pan Head | 32.95 |
| Star B-18, 3 Sect., w/Pan Head | 8.97 |
| Star D Conquest, 3 Sect., Elev., w/Pan Head | 13.30 |
| Continental Mark III, 3 Sect., w/Swing Over Tilt and Monoped | 16.95 |
| Quick Set Fairfax, 3 section, Elevator w/Pan Head | 10.95 |

## THIS MONTH'S SPECIALS

- 70mm x 100' Super XX or Infra Red film ..... $ 2.95
- 120 & 620 Kodacolor ..... 3 for 3.00
- Telephoto Lens, 8mm., 1½", f3.5 ..... 4.95
- Wide angle lens, 7mm, f3.2, F.F. ..... 11.95
- Cardboard Stereo Mounts 100 for ..... 3.50
  1000 for ..... 26.50
- Ansco 35mm Cardboard Mounts . . . 100 ..... 1.00
  1000 for ..... 8.50
- Daylight BULK FILM LOADER & 5 cartridges ..... 4.95
- ANSCO 120 All Weather Pan ..... 12 for 3.50
- KODACHROME B28 (proc. incl.) ..... 3 for 3.00

## Brand New RICOH CAMERAS Latest Models

35mm #500 f2.8 lens, w/case ..... $54.89
35mm #519, Exp. meter f1.9, case ..... 79.89
Ricoh Diacord 'G' Reflex, w/case ..... 37.89
Ricoh Diacord 'L,' exp. meter, case ..... 51.89

## SLIDE FILE & TRAYS COMBO. SALE

- All metal slide case for 12 trays
- 12 trays in plastic covers for B&H, VIEWLEX, TDC, AO, KEYSTONE.

AWON SALE—all for only $6.99

## PORTABLE SLIDE FILE CASES

- For Tray & Magazine
- Fits TDC: KODAK: ARGUS: REVERE & AIREQUIPT

Model 12 (12 Trays) ..... $4.95
Model 24 (24 Trays) ..... $7.95

12 Slide trays for Viewlex or TDC (hold 36 slides each) ..... $ 5.95
12 Airequipt slide trays (hold 36 slides each) ..... $16.95

## NEW EXPOSURE METERS

| | SPEC |
|---|---|
| Alpex Direct Reading w/case | $5.95 |
| Sekonic Leader Deluxe, Model 36, w/built-in booster cell and case | 9.95 |
| Sekonic Leader DeLuxe, w/case | 6.50 |
| Booster Cell for Sekonic Leader | 2.95 |
| Sekonic Compact, w/case | 6.95 |
| FR Meter w/booster & cases | 5.95 |
| G.E. Mascot II | 6.95 |
| GE PR-1 w/case (discontinued) | 16.95 |
| G.E. Golden Crown w/case | 23.50 |
| Weston Master III w/case | 21.45 |
| GE Guardian w/case (discontinued) | 21.95 |
| Weston DR, Dir. Reading | 12.95 |
| Case for any of above | 1.95 |

All equip. brand new. Prices subj. to change without notice.

## We're OVERSTOCKED!

RADIANT Portable, Crystal Beaded Tripod Screens. PRICES CUT FOR FAST CLEARANCE. With new VYNA-FLECT fabric. These screens are fireproof, fungus proof, and washable. No other screen at these prices have all these higher-priced features.

30 x 40 ..... $6.95 37 x 50 ..... $13.95
40 x 40 ..... 8.95 50 x 50 ..... 13.95

Radiant zipper case for any above—$2.95
50" Screens are shipped R.R. Expr. collect postage

## Closeout on Brand New FEDERAL Enlargers

| | SPECIAL |
|---|---|
| 35mm 135C, f4.5 lens | $35.95 |
| Model 135C, Carrying case | 6.95 |
| FOR 2¼ x 3¼ NEGATIVES | |
| No. 240, Diffused, f7.9 lens | $20.95 |
| No. 290 Diffused, f6.3 lens | 28.95 |
| No. 295, Sgl. Cond. f6.3 | 34.95 |
| Carrying case for 290 or 295 | 6.95 |
| No. 260CL, Cold Light, f6.3 | 37.95 |
| No. 311 Sgl. Cond. F4.5 | 47.95 |
| FOR 4x5 NEGATIVES | |
| No. 450, Diffused, f4.5 lens | 79.95 |

SALE

FREE—This Month Only—with any enlarger, 200 sheets 4x5" enlarging paper—FREE.

## Brand New! FR ELECTRONIC FLASH

- Needs only 4 small batteries
- Hand-Grip head for "off-the-camera" shots
- Switches easily to AC power
- Constant flash value and exposure
- Comes with camera bracket, and AC line cord.

AWON SPECIAL ..... $29.95

## ELECTRONIC FLASH OUTFITS

| BRAND NEW | AWON PRICE |
|---|---|
| Ultrablitz Jet, A.C. or Batt. | $44.95 |
| Ultrablitz Comet w/nickel cadmium battery | 29.95 |
| Ricohlite A.C. & Batt. | 34.95 |
| Hershey "700" A.C. or Batt. | 34.95 |
| RI Dynalite A.C. | 19.95 |
| RI Dynaslave w/photoelectric eye | 26.95 |
| FR Model II, A.C. or Batt. | 32.95 |
| FR Model 140, A.C. | 21.95 |
| Mecablitz 100 | 34.95 |

SALE

And your old flashgun in trade

LIMITED SPECIAL! Just 20!

## ULTRABLITZ JET I

A.C. & Battery, Discontinued Model.
AWON PRICE $37.95
Coil Cord—$1.95 4 Batteries—30¢

## Brand New! HEILAND Electronic Flash

JUST OUT. Eliminates separate battery case. AC or batt.
Model 64-A ..... AWON $36.95
Model 64-S (transistors) ..... AWON $43.95

## SPECIAL SALE—ALL METAL REEL CHESTS, REEL & CANS

CHEST 183—Holds 12 200' 8mm reels and cans ..... $2.49
CHEST 185—Holds 12 300' or 400' 8mm rls. & cans 2.79
CHEST 184—Holds 12 400' 16mm reels and cans ..... 3.69

| | | |
|---|---|---|
| 8mm 200 ft. | REEL & CAN | 4 sets for 2.49 |
| 8mm 300 ft. | REEL & CAN | 4 sets for 2.95 |
| 8mm 400 ft. | REEL & CAN | 4 sets for 3.45 |
| 16mm 400 ft. | REEL & CAN | 4 sets for 3.65 |

## ARGUS Sale! ALL BRAND NEW discontinued MODELS

SPECIAL AWON COMBINATION DISCOUNT!
ARGUS C-3 w/case, flash & reg. lens *plus* SOLIGAR 135 mm f4.5 telephoto lens
BOTH for only—$44.95

| | AWON PRICE |
|---|---|
| ARGUS C-3 w/case & flash | $41.95 |
| ARGUS C-4 w/case & flash | 66.95 |
| ARGUS C-44 w/case & flash | 79.95 |
| ARGUS 75 outfit | 15.95 |
| SLIDE PROJECTORS | |
| ARGUS 300 watt, BC | 29.50 |
| ARGUS 300 watt w/Auto Changer & case | 42.95 |
| ARGUS 500 wt w/auto changer & case | 59.95 |

SALE

Write for our LOW DISCOUNT prices on all other models.

## Special for ARGUS fans

SOLIGOR, top quality 135mm f4.5 telephoto for Argus C-3 ..... SPECIAL—$29.95
SOLIGOR 35mm f3.5 wide angle lens for Argus C-3 ..... SPECIAL—$39.95
Auxiliary telephoto for C-3, w/case ..... ONLY $7.95
AIREQUIPT slide trays for Argus projector, 6 for $8.95 ..... 12 for $16.95

BRAND NEW! **PENTA-PRISM**

Split Image Rangefinder comb. w/prismatic viewfinder. For Exakta V, VX and Exa. Complete with case & extra ground glass
AWON SPECIAL—only $21.95

## DARKROOM ACCESSORIES BRAND NEW

BIG DISCOUNTS!!!

| | Sale |
|---|---|
| Yankee Lordomat 20 Tank | 7.38 |
| Yankee 4x5 Utility Tank | 2.10 |
| Yankee 4x5 Agitank cut film | 6.95 |
| Yankee Safe lite w/3 Filters | 3.89 |
| Airequipt 4 Way Fixed Easel | 8.65 |
| Airequipt Dialmaster Easel 14x17 | 12.89 |
| Airequipt Photocrat 4x5 Printer | 9.95 |
| Brumberger 5x7 Adj Metal Printer | 14.95 |
| Brumberger 8x7 Adj Metal Printer | 4.35 |
| Brumberger 8x10 Paper Safe | 8.60 |
| Brumberger 11x14 Paper Safe | 13.95 |
| Fedco Focus Rite Enlarging Aid | 1.75 |
| Fedco No. 100 Dryer 11½x15 | 8.75 |
| Ora Lab #168 Luminous Timer | 17.20 |
| Premier A2 Roto Dryer 24x28" | 33.89 |
| Premier A1 Roto Dryer 12x20" | 18.92 |
| Staticmaster 1" Brush | 3.50 |
| Spot-O-Matic Enlarging Meter | 10.97 |
| Kodak Timer Minutes & Seconds | 8.95 |
| Kodak 35mm Day Load Tank | 8.95 |
| Morse #3 35 & 16mm Dev. Tank | 24.95 |
| Precise 11x14 Metal Adj. Easel | 4.95 |
| Carr Cut Film Hangers 4x5 | .85 |
| Pitsay #20 Lordmaster Print Washer | 65.89 |
| Pelouze Darkroom Scale | 9.50 |
| Nikor 35mm Tank single reel | 6.72 |
| Nikor 120-620 Tank w reel | 7.45 |
| Nikor 20 exp. 35mm wide space reel | 3.85 |
| Nikor 36 exp. 35mm wide space reel, or 620, 120, 127 | 3.85 |
| Nikor 33 tank w/2 35mm reels | 10.75 |

## Sale POLAROID LAND Cameras

BRAND NEW! LATEST MODELS! Now AWON cuts prices for the first time on POLAROID cameras. Order one for yourself or as a bargain gift.

Highlander #80A—$54.95 Model 150 ..... $ 82.95
Speedliner #95B—69.95 Model 110A ..... 127.95

COMPLETE POLAROID CAMERA KITS—include camera, flashgun, bounce flash bracket, compartment case, 2 film rolls, orange filter, packet of postcarders, 2 write-in albums.

#80A KIT ..... $ 79.95 #150 KIT ..... $112.95
#95B KIT ..... 99.95 #800 KIT ..... 123.95
#110A KIT ..... 154.95 Print Copier ..... $ 23.95

## YASHICA CAMERAS

ALL BRAND NEW—LATEST MODELS—

| PRICE INCLUDES LEATHER CASE W/STILL CAMERAS | AWON PRICE |
|---|---|
| YASHICA A | $23.25 |
| YASHICA C, semi automatic | 35.95 |
| YASHICA LM, semi automatic with built-in exposure meter | 44.95 |
| YASHICAMAT AUTOMATIC | 58.95 |
| YASHICA 44 (127 film baby reflex) | 46.95 |
| YASHICA 635 (dual 2¼ sq. & 35mm) | 46.95 |
| YASHICA 8mm movie #95, f1.9 lens | 33.00 |
| YASHICA 8mm movie #87, f1.4 lens | 53.95 |
| YASHICA 8mm movie #873, with f1.4 normal and f1.4 telephoto lenses | 83.95 |

SALE

## KODACHROME PROCESSING

35mm x 20 exp., mtg. ..... $1.00
35mm x 36 exp., mtg. ..... 2.00
8mm x 25 ft. dble. ..... 1.00
8mm x 25 ft. mag. ..... .65
16mm x 50 ft. mag. ..... 1.00
16mm x 100 ft. roll ..... 2.30

All film returned via insured mail.
Check or Money Order must accompany film.

## WOLLENSAK Sale!

All BRAND NEW! All in factory sealed cartons!

| MOVIE CAMERAS | AWON PRICE |
|---|---|
| 8mm Model #42, f1.8 F.F. | $ 50.75 |
| 8mm #43, turret 3 lens f1.8 | 72.50 |
| 8mm #58, f1.9 focusing | 90.65 |
| 8mm #63, 3 lens turret | 145.00 |
| 8mm #28 magazine, f1.9 foc. | 101.65 |
| 8mm #73, mag., 3 lens turret | 108.95 |
| 16mm #91 magazine, f1.9 foc. | 136.95 |
| 16mm #93 mag, 3 lens turret | 209.95 |
| **PROJECTORS** | |
| 8mm #715, 500 wt, 3 reels, built-in splicer & case | 118.65 |
| 8mm #16, 750 wt, w/case | 123.90 |
| 16mm #65, 750 wt, w/case | 145.00 |
| 2x2 Automatic SLIDE projector for 35mm and Super-slides, 500 wt; #815 | 108.75 |
| **TAPE RECORDERS** | |
| #1500, dual speed, w/case | 137.95 |
| #1515, Dual Speed Stereo | 154.95 |

DISCOUNTS

## 4-LITE FOLDING MOVIE BAR LIGHT

With metal carry case, 2 toggle switches and 7' heavy duty cord. ..... AWON SALE $7.50
Bulbs remain on bar in case. $1 ea. with purchase of bar.

## NEW, COMPACT MOVIE LIGHT BAR

4-Lite movie bar, with metal case and four bulbs—NEW, MORE COMPACT design...AWON SALE $10.82 w/4 bulbs without bulbs ..... $7.75

Mansfield "Holiday" brand new

## 8mm MOVIE PROJECTOR

- AWON SPECIAL • All die cast aluminum • 500 watt
- Blower cooled • ctd. f1.6 lens • 400' reel capacity

AWON DISCOUNT PRICE—only $36.95
Luggage type case—only $4.95

## EDITING EQUIPMENT

| | SALE |
|---|---|
| Mansfield 8mm Action Editor | $17.95 |
| Mansfield DeLuxe 8mm Portable, w/case | 24.95 |
| Kalart 8mm Action Editor | 24.95 |
| Craig 8mm or 16mm Portable w/case | 49.95 |

All Editors include Rewind, Splicer & Baseboard
FREE—2 professional movie titles given with any editor.

## Brand New EXAKTA VX IIa Latest Models

With f2 Biotar Automatic, Case ..... $223.

## AWON FILMS

Postage & insurance must be prepaid. Items marked "FREE" must be requested at time of purchase to be acknowledged.

108-M West 29th Street, New York 1, N. Y. LA 4-6376

## BUYING GUIDE

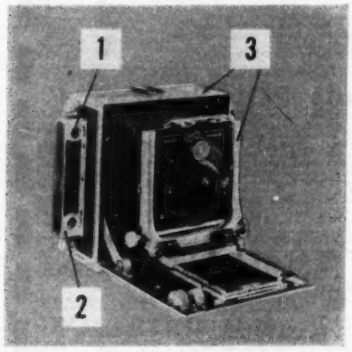
*(Continued from page 172)*

(in versions introduced after 1948); spring lock on lens board; interchangeable focusing scales; cross spirit level built into baseboard; swivel of lens standard increased to 15° to each side; stronger baseboard with tripod bushing; two-position cable release sockets. Other features as 1936 Technika II, 4 x 5.

**Last List Price:** Not available.

**Used Selling Price:** With f/4.5 Xenar, $150-$185.

**Serial Numbers:** 2,001 to 5,000.

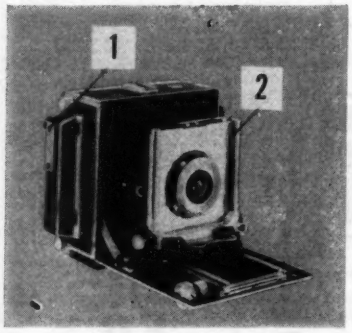



**Special Identification Points:** 1. After 1948, came with coupled rangefinder; 2. Rangefinder housing has square ends; 3. Black w/polished metal trim.

### LINHOF SUPER TECHNIKA III, 4 x 5 (1950)

**Note:** This camera is similar to later version of Technika III, 4 x 5, 1946 model, but its rangefinder housing is more streamlined and is fitted with a flashgun bracket. When first introduced, it had polished metal trim; from 1951, it had satin chrome trim. Also available without rangefinder.

**Introduced:** 1950 **Discontinued:** 1953




**Last List Price:** With r.f., less lens, $299.50.

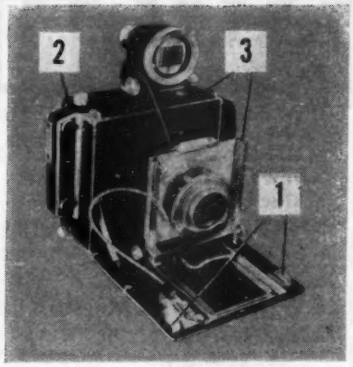
**Used Selling Price:** Less lens, $150-$185.

**Serial Numbers:** 30,001 to 42,000.

**Special Identification Points:** 1. More streamlined rangefinder, fitted with flashgun bracket; 2. After 1951, came with satin chrome trim.

### LINHOF SUPER TECHNIKA III, 4 x 5 (1953)

**Note:** This camera is similar to later version of Super Technika III, 4 x 5, 1950 model, but has the following improvements: reinforced camera body; drop bed; universal camera back with Ektalite field lens (also available with




Graflex type back); spring back system for holding film holders in place; prism type rangefinder. In addition, version introduced in 1955 has left and right hand focusing knobs, strengthened, deeper baseboard and reinforced hinges. It is also available without rangefinder.

**Introduced:** 1953 (current model).

**Last List Price:** With r.f.: less lens, $369.50; with 150mm f/4.5 Xenar, $459.45.

**Used Selling Price:** With f/4.5 Xenar, $205-$270.

**Serial Numbers:** 58,001 to 62,236.

**Special Identification Points:** 1. From 1955, came with left and right hand focusing knobs; 2. Rangefinder housing flush with upper edge of camera body; 3. Black leather finish with satin chrome trim (was also available in colors on special order).

**Note:** Illustration shows camera with accessory multi-focus viewfinder.

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## VINTAGE CAMERAS

*(Continued from page 132)*

two—one of which was stolen by a stranger and one by my wife, who now allows me to use it occasionally. This model dates from the time when a 35 was still supposed to be a "miniature" camera. With its folding lens and the black finish supplied then with most cameras, it was a compact, inconspicuous little thing. I pick the Model F, rather than the earlier Model D, because it has a full range of low speeds. The rangefinder also is considerably better than that on the Model D. Model F bodies are so inexpensive, and there are so many excellent lenses to fit them, that you can make up quite a nice outfit at low cost. Prices range from $60 to $90.

**ZEISS CONTAX II (No. 2):** Although I never owned a Contax II, I had the use of one for quite awhile. This is, in my estimation, probably the most outstanding single 35mm camera model ever produced. Consider that it came out in 1936 and was discontinued in 1940. Yet, even today there are few cameras to match the smooth ruggedness of the Contax II works (which, by the way, are quite complicated), and the performance of the 50mm f/2 Sonnar lens coupled to a truly excellent view/rangefinder design. A well cared for 20-year-old Contax II can be a real gem. They're available. Price is about $77 to $99.

**KODAK MONITOR, 616 & 620 (No. 1):** Did you ever shoot pictures on size 616 film? You get a negative 2½ x 4¼ inches. Consider that when you think of scenics. With such a Kodak Verichrome Pan negative, properly exposed and developed, print size limitations can become an academic question. And size 616 is the biggest thing in Kodacolor. The Monitors were simple, reliable cameras, with excellent four-element, Tessar type, f/4.5 Kodak Anastigmat Special lenses (101mm on the 620 Monitor shown, 127mm on the larger 616 Monitor). Despite their bulk when opened, they fold down to coat pocket size. They can be had for about $24 to $45.

**ROLLEIFLEX AUTOMAT 1949 (No. 7):** This is the garden variety, basic Rollei—no frills, nothing fancy, just an excellent, compact picture taker at a very low price today. Except for having X flash sync, coated lenses and a sportsfinder, they were quite similar to that most famous of all Rolleis, the great Rolleiflex Automat 1937. Price range is about $90 to $110.

**KODAK BANTAM SPECIAL (No. 9):** I consider this to be one of the most beautiful little cameras ever built. True, it's really not very practical, compared to a good 35, since there are only 8 exposures on a roll of 828 film, and the controls are slow to operate. It's good for an occasional picture rather than for sustained shooting. Kodak makes almost all of its color and black-and-white roll films in 828 size (it's a trifle larger than 35mm) so you have a wide variety. Frequently, I carry my tiny Bantam Special to social functions or meetings where I want to take just a few pictures. The six-element 45mm f/2 Kodak Anastigmat Ektar on mine makes a presentable 8 x 10 when used wide open. At f/4 and smaller openings it's a sharp one. The split-field rangefinder is amazing—the image is magnified about 3X life size. The Bantam Special folds up tight as a clam shell, needs no case, and can get lost in a pants pocket. They were made from 1937 to 1940. Not too many around; the price ranges from $51 to $79.—THE END

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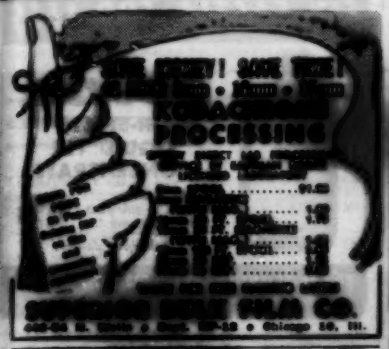

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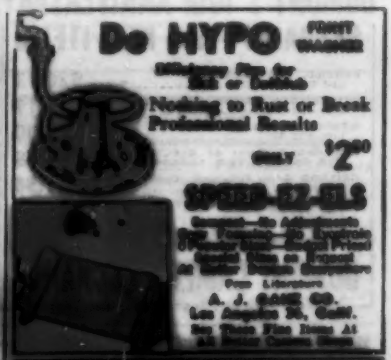

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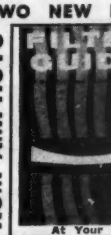


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GLAMOUROUS POSING Panty, $3.00. With Bra, $5.00. Photrix, 5880-M Hollywood, Hollywood 28, California.

## photo books

LEICA FOTOGRAFIE Magazine English Edition Edited and Published in Germany. 2 sample copies available for only $1.00. RAYELLE PUBLICATIONS, 76 West Chelten Ave., Phila 44, Pa.

BOOK BARGAINS! While they last: Photographing Mexico, was $3.50, now $2.00; Fritz Henle's Guide To The Rollei, was $6.75, now $5.00; How To Do Home Tricks, was $1.95, now $1.25; How To Act For Home Movies, was $1.95, now $1.25; Medical Photography, was $15.00, now $5.00; Lootens on Enlarging Print Quality, 3rd ed., was $4.50, now $2.00; Fritz Henle's Figure Studies, was $4.50, now $3.50; Manual of Airbrush Technique, was $3.50, now $2.00; How To Make Money In Photography, was $4.50, now $2.00; German Annual, 1958, was $7.95, now $4.00. Limited stocks. Rush order with cash to Amphoto Book Bargains, 33 W. 60th, N. Y. 23, N. Y.

## miscellaneous

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INFINITY the magazine of photojournalism. Published ten times yearly. Subscriptions now available. Send $2.50 to American Society of Magazine Photographers, 1472 Broadway, New York 36.

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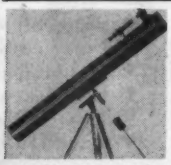

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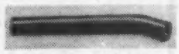

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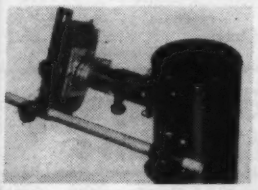

**with the EDMUND CAMERA HOLDER for TELESCOPES**

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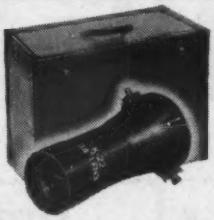

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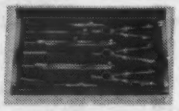

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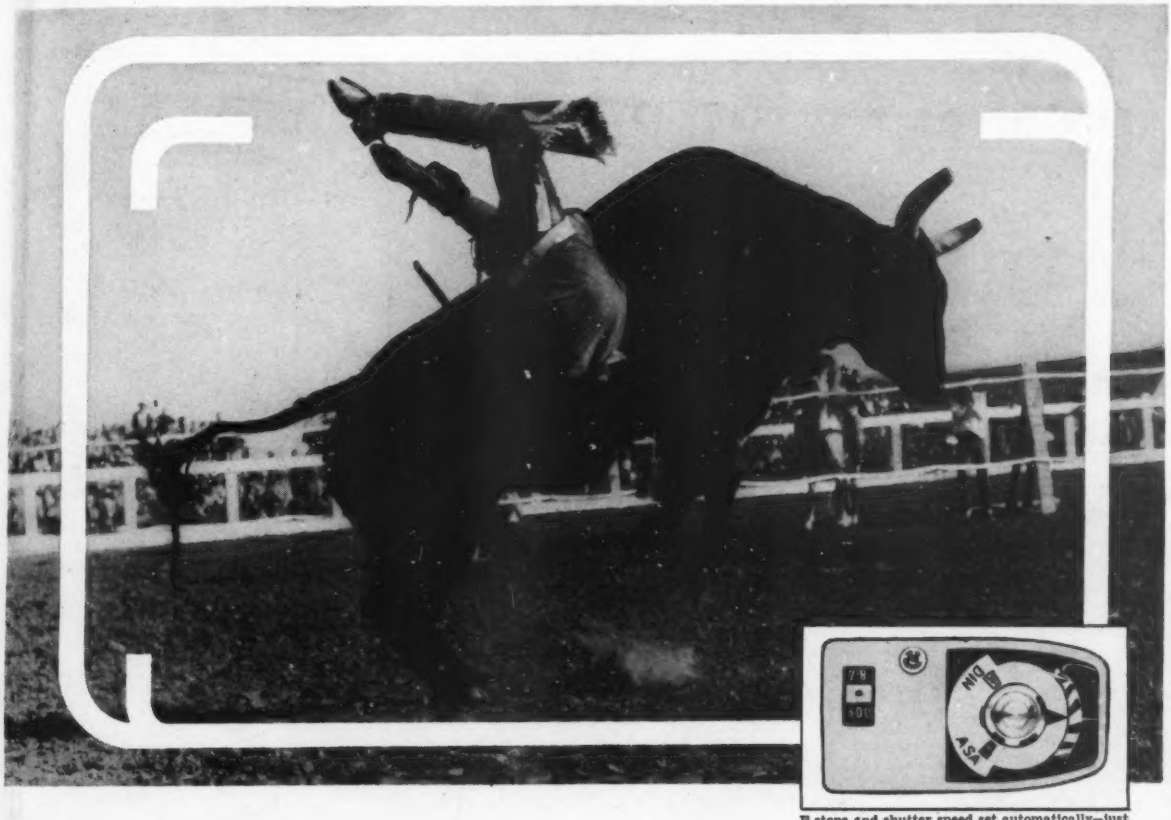
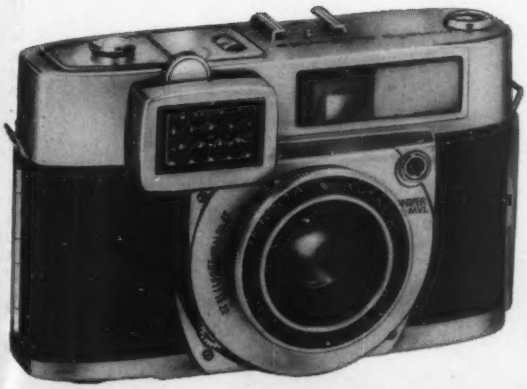


F stops and shutter speed set automatically—just line up the arrows. (Both can also be set individually or changed simultaneously.)



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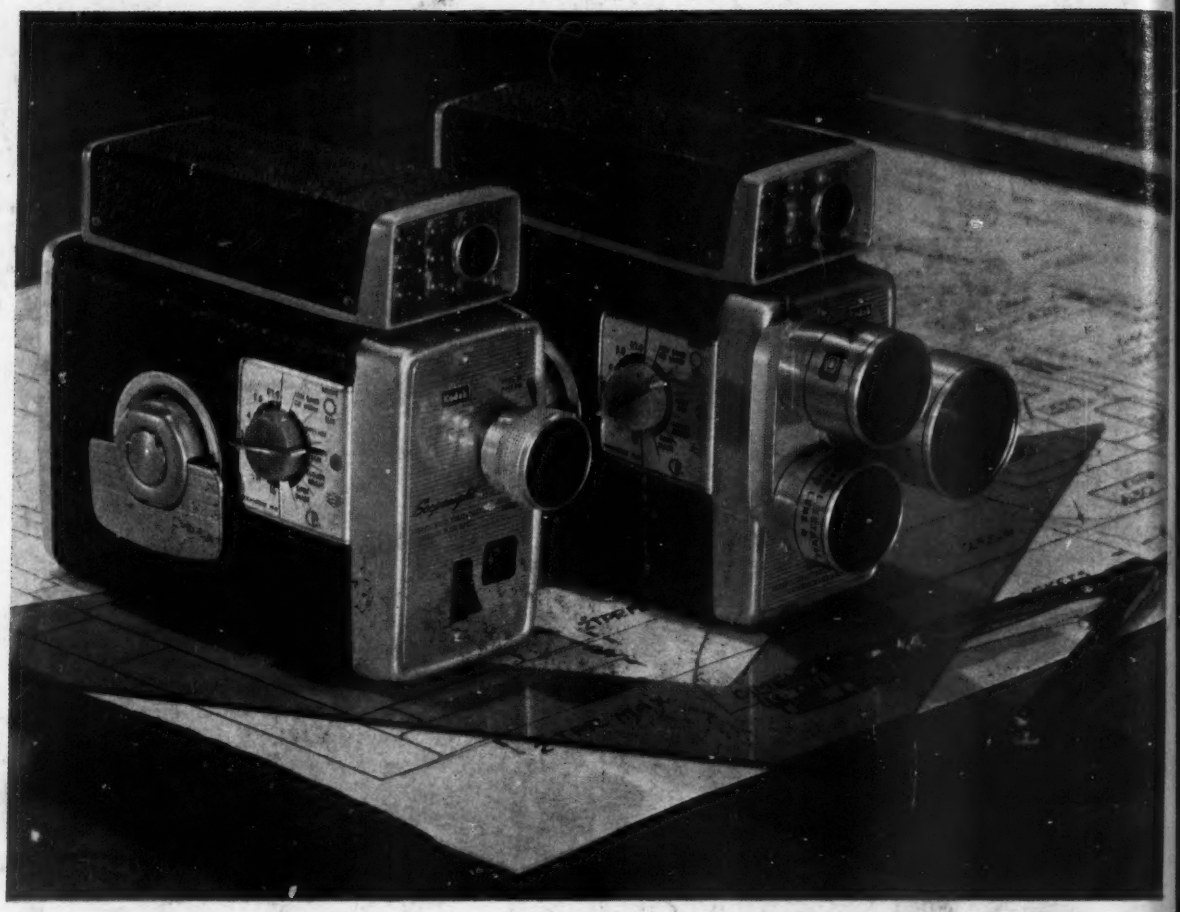

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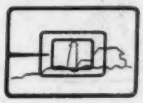
2. Turning coupled exposure dial on side...



3. Centers the meter pointer in the viewfinder

4. Automatically sets the correct lens opening

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